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OKLAHOMA AGRICULTURAL STATISTICS 1990

OKLAHOMA
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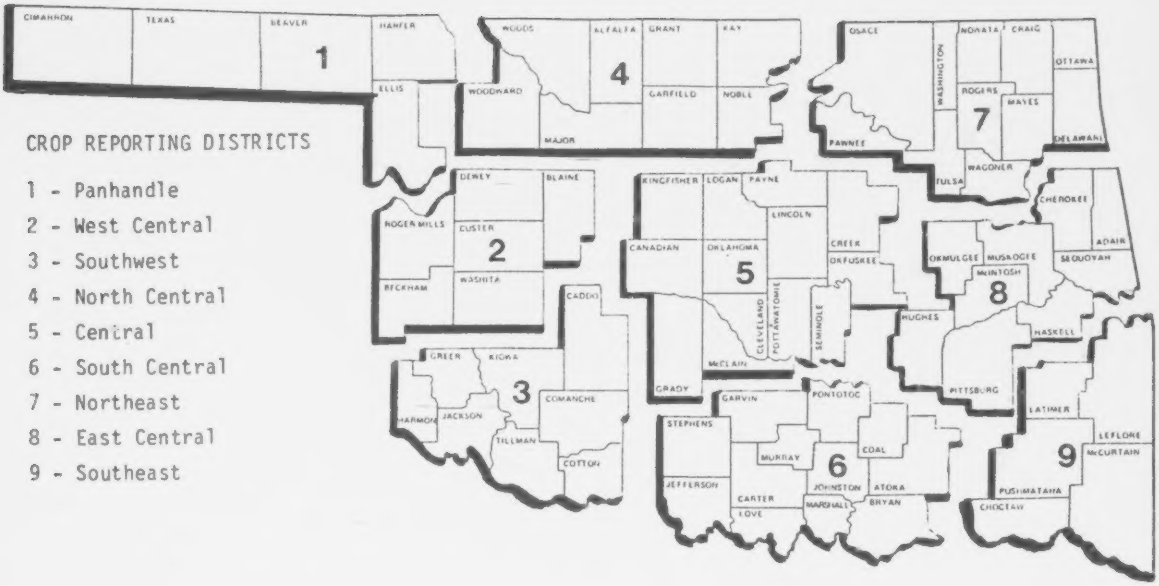

CROP REPORTING DISTRICTS

1 - Panhandle
2 - West Central
3 - Southwest
4 - North Central
5 - Central
6 - South Central
7 - Northeast
8 - East Central
9 - Southeast

PHOTOS - Courtesy of
Oklahoma State Department of Agriculture

We wish to thank Tonda Ames, Information Representative for the State Department of Agriculture for her assistance in this publication.

This material is based upon work supported by the U.S. Department of Agriculture under Agreement No. 59-319T-6-00055. This publication, issued by the Board of Affairs, Central Printing Division, is issued by the Division of Agricultural Statistics as authorized by the Oklahoma Board of Agriculture. Seventeen hundred copies have been prepared and distributed at a cost of $9,607. Copies have been deposited with the Publications Clearinghouse of the Oklahoma Department of Libraries.

OKLAHOMA
AGRICULTURAL STATISTICS
1990

Published by

OKLAHOMA DEPARTMENT OF AGRICULTURE

2800 N. Lincoln Blvd.

Oklahoma City, Oklahoma 73105

Gary L. Sherrer, Commissioner
Charles W. Anderson, Assistant Commissioner

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OKLAHOMA AGRICULTURAL STATISTICS SERVICE

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STATE OF OKLAHOMA

DAVID WALTERS
GOVERNOR

Fellow Oklahomans,

This latest issue of "Oklahoma Agricultural Statistics", the 1990 edition, chronicles a time when we draw to a close the 1980's and the period which had tremendous stress and turmoil in the agribusiness sector of the State's economy. One of my first actions as Governor was to elevate Commissioner Sherrer and the Oklahoma Agriculture Department to cabinet-level status. This is one way of spotlighting agriculture as the basic foundation of our great State.

As we work across several areas to bring about a further expanding and development of our agriculture resources, two particular actions come to mind. We have appropriated funding for the initial planning and start-up stages of the Food and Agricultural Products Processing Center for Research and Technology at Oklahoma State University in Stillwater. This is an excellent way to promote our agribusiness industries. There are tremendous opportunities all across our State where we have ag products available for further processing. This can create extensive economic activity and keep jobs and people in Oklahoma, using our home grown agriculture products.

Another area of interest is our Oklahoma State University Center for International Trade Development. In the past, most of our wheat and an increasing portion of our cattle production has been shipped out of the country into the global market economy. Nationally, we import more total goods than we export and this creates an overall trade deficit. However, agriculture product exports have exceeded agriculture imports for several decades and have been an important part of our total import-export picture. We will, with this Center, be in a position to encourage, educate and promote further agricultural export activity.

This publication has been a valuable tool for those involved with basic production of agriculture products and the different policy making and teaching groups. I commend the "Oklahoma Agricultural Statistics' Service" staff for a job well done and I look forward to working with the Agricultural community to create a prosperous future for Oklahoma farmers and ranchers.

Sincerely,

David Walters

David Walters
Governor

Suite 212 • State Capitol Building • Oklahoma City, Oklahoma • 73105 • 405/521-2342

Gary L. Sherrer
Commissioner
Secretary of Agriculture

OKLAHOMA DEPARTMENT OF AGRICULTURE

2800 North Lincoln Boulevard
Oklahoma City, Oklahoma 73105-4298
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David Walters
Governor

To the People of Oklahoma:

It is a pleasure to present "Oklahoma Agriculture Statistics 1990." Agriculture is vitally important and an always changing part of our Oklahoma economy. We must have good reliable statistics to make sound production and marketing decisions.

We want to say 'Thank you' to the thousands of Oklahomans who supply data about their individual operations. These data help producers, processors, marketers and consumers in their daily efforts to meet the needs of this vibrant food and fiber industry.

This year's cover helps set the tone of the nineties as we emphasize the often diverse output of Oklahoma agricultural producers. Service and marketing will be spotlighted by the Oklahoma Department of Agriculture as we move into this new decade. Food processing and other value added activities will become increasingly important as we adjust to a more advanced society. International trade will become a bigger arena as the world continues to shrink as more products and information proliferate in quantity. Higher technology efforts are bearing fruit as output and yields continue to climb. Last year saw new record yields being set by cotton producers as the old record was broken by 64 pounds per acre. The new record is 496 pounds per-acre yield.

Thanks to the 'Statistical Reporting Services' staff for their efforts at gathering and publishing these statistics about Oklahoma agriculture. Special appreciation is directed to Burt Bartlett, who was the general supervisor and coordinator for this year's bulletin.

Your comments and suggestions for improving this publication are always appreciated. Current reports and information are available by writing or calling the Commissioner of Agriculture or the State Statistician.

Respectfully,

Gary Sherrer

Gary Sherrer
Commissioner

CONTENTS

PAGE

Statement by the Governor ii
Statement by the Commissioner iii

OVERVIEW

Sampling Methods and Estimation 1
U.S. Census Farm Data, Oklahoma 2
Agricultural Records 3
Oklahoma Agriculture in Brief 4
Number of Farms, State Population 5
Rank in U.S. Agriculture 6
Rank and Value of Commodities Within State 7

CROP WEATHER

Review of 1990 8
Annual Precipitation, Graph 9
Average Precipitation and Temperature, Monthly 10

CROPS

Review of 1990 12
Wheat, Harvested Acres and Production, Graphs 13
Crop Acreage, Yield, Production, and Value 14
Crop Acreage, Yield and Production 17
Fruits and Nuts, Production and Value 18
Monthly Marketings of Crops 19
Grain Stocks 20
Consumption of Commercial Fertilizers 21
Wheat, Cotton and Peanut Varieties 22
Wheat Quality 23
Planted Acreage Graph, Crop Calendar 24
Irrigated Wheat County Estimates 25
Wheat County Estimates 26
Wheat Production and Barley Production, State Maps 28
Barley County Estimates 29
Oat County Estimates 30
Oat Production and Hay Production, State Maps 32
All Hay County Estimates 33
Alfalfa Hay County Estimates 34
All Other Hay County Estimates 35
Corn County Estimates 36
Corn Production, State Map 37
Irrigated Cotton County Estimates 38
Cotton Production, State Map 38
All Cotton County Estimates 39
Irrigated Peanut County Estimates 40
All Peanut County Estimates 41
Peanut Production and Sorghum Production, State Maps 42
Irrigated Sorghum County Estimates 43
All Sorghum County Estimates 44
Soybean County Estimates 46
Soybean Production, State Map 47

LIVESTOCK

Review of 1990 48
Cattle on Farms, Oklahoma and United States, Graph 49
Livestock Numbers by Classes, Graph 49
Livestock Inventory Numbers 50
Livestock Disposition 51
Production and Income from Meat Animals 52
Cattle on Feed 54

LIVESTOCK (Continued)

PAGE

Livestock Farm Numbers 56
Livestock Numbers by Classes 56
Percent of Cattle Operations, Inventory 57
Livestock Slaughter 58
Pasture and Range Conditions 59
Sheep Shorn, Wool Production and Value 60
Angora Goat Inventory 60
Mohair Production and Value 60
Catfish Inventory and Sales 61
Livestock County Estimates 62
Livestock Inventory, State Maps 64

DAIRY

Review of 1990 66
Milk Cow Numbers and Milk Production, Graphs 67
Milk Cow Numbers and Milk Production, Quarterly 68
Milk Production and Disposition 69
Butter, Ice Cream Production, Quarterly 70
Dairy Products Manufactured 71
Milk Cows, State Map, Top Counties 72
Milk Cow County Estimates 73

POULTRY

Review of 1990 74
Number of Layers and Eggs Produced, Graph 75
Broiler Production, Graph 75
Poultry Numbers by Class and Value 76
Chickens, Inventory, Disposition and Cash Receipts 76
Broilers, Production and Gross Income 76
Egg Production and Income 77
Chicken District Estimates 77
Average Number of Layers and Egg Production 77

AGRICULTURAL PRICES AND FARM INCOME

Review of 1990 78
Cash Receipts, 1989 and 1990, Graphs 79
Cash Receipts, by Commodities 80
Cash Receipts, Monthly 81
Gross and Net Farm Income 82
Farm Income and Cash Receipts, Graphs 83
Foreign Ownership of Land 84
Cash Receipts, State Map, Top Counties 84
Index Numbers of Prices Received 85
Real and Non-Real Estate Debt 86
Farm Real Estate Values 86
Cash Rent, per Acre 87
Market Year Average Prices, Crops 88
Annual Average Prices, Livestock 89
Monthly Prices Received 90
Average Prices Paid for Feed 96
Farm Production Expenses 97
Farm Financial Situation 98

MISCELLANEOUS

Exports, Oklahoma and U.S. 100
Minor Commodities, Census of Agriculture 101
Custom Rates 102
List of Available Reports 104

OKLAHOMA AGRICULTURAL STATISTICS SERVICE

SAMPLING METHODS AND ESTIMATION

The statistical data collection program of the Oklahoma Agricultural Statistics Service consists of surveys designed to produce current agricultural statistics of acreages, yield and production of crops, livestock and poultry inventories, and other information pertaining to Oklahoma's agricultural economy.

The major sources of reliable information for crop and livestock reports are those who know the most--producers, hatcherymen, livestock feeders, slaughterhouse managers, grain elevator operators--the extensive users of the final estimates. Their cooperation is absolutely essential for a workable and useful estimating program.

Information is collected in many ways: mail surveys, telephone contacts, personal interviews, and in-the-field observations. Most estimates are based upon probability sample surveys. That is, what is happening with the total group is accurately inferred from contacts with a statistically selected portion of the total population. Or stated another way--information from only a part of the total group is used to estimate the activities of the entire group. Sampling is not only less costly in time and money than a complete count, but the accuracy can be measured and controlled by sample sizes that are cost effective and efficient in terms of measuring level of change from one time period to another.

Probability surveys are based upon contacts with farmers operating in selected areas of land--an area frame sample--or farmers selected from a list of producers--a list frame sample. In addition to surveys of individual farmers, objective counts and measurements are taken each month throughout the growing season from 180 randomly selected wheat yield plots.

Quarterly Agricultural probability surveys conducted in Oklahoma are designed to have a procedure for measuring the accuracy for each individual survey. This unit of measurement is referred as the standard error and/or coefficient of variation (CV). Standard error is the square root of the variance for a sample estimate. CV is the standard error divided by the survey estimate, usually expressed as a percentage. Oklahoma cattle surveys are designed for a 5.0 CV (±5% survey estimate) which usually implies a fairly precise estimate given resource allocations for a January 1 sample size of approximately 2200 operations.

John D. Cole,
Deputy State Statistician

U.S. CENSUS OF AGRICULTURE - OKLAHOMA FARM DATA IN BRIEF

ITEM		1978	1982	1987
Land Utilization				
Total Land Area	Acres	44,021,760	43,939,270	43,939,270
Land in Farms	Acres	3,737,292	32,369,206	31,541,977
Percent of Land in Farms.	Percent	76.6	73.7	71.8
Number of Farms	Number	72,237	72,523	70,228
Average Size of Farm. . .	Acres	467	446	449
Farm Operations by Size:				
Less Than 10 Acres. . .	Number	2,749	3,244	3,666
10 to 49 Acres.	Number	7,894	10,651	10,134
50 to 179 Acres	Number	23,643	23,558	22,331
180 to 499 Acres. . . .	Number	20,352	18,670	18,006
500 to 999 Acres. . . .	Number	10,038	8,850	8,405
1000 Acres or More. . .	Number	7,561	7,550	7,686
Cropland, Total	Acres	14,365,738	14,213,548	14,443,459
Woodland, Total	Acres	2,067,571	2,070,258	2,047,767
Irrigated Land in Farms, Total	Acres	601,723	492,077	478,437
Farm Operators				
Full Owners, All Farms. .	Number	38,822	41,705	40,153
Part Owners, All Farms. .	Number	24,852	23,065	22,807
Tenants, All Farms. . . .	Number	8,563	7,753	7,268
Farm Operators by Age:				
Under 25 Yrs.	Number	1,826	1,746	923
25 to 34 Yrs.	Number	7,928	8,038	6,680
35 to 44 Yrs.	Number	13,742	13,772	12,551
45 to 54 Yrs.	Number	17,196	16,322	15,599
55 to 64 Yrs.	Number	17,364	17,276	17,002
65 Yrs and Older. . . .	Number	14,181	15,369	17,473
Average Age	Years	51.4	51.9	53.6

CROP RECORDS, OKLAHOMA, 1894-1990

Crop	Date Series Began	Unit	Record	Harvested Acreage		Harvested Yield per Acre		Production	
				Year 1/	Acres (000)	Year 1/	Yield	Year 1/	Total (000)
Winter Wheat	1894	Bu.	High	1982	6,900	1979	38.0	1982	227,700
			Low	1896	250	1955	8.0	1895	2,200
Oats	1897	Bu.	High	1921	1,705	1983	49.0	1920	45,780
			Low	1990	60	1911	10.0	1989	2,040
Barley	1899	Bu.	High	1961	757	1988	48.0	1970	23,400
			Low	1909	10	1911	5.0	1913	119
Rye	1899	Bu.	High	1939	123	1983	26.0	1973	1,333
			Low	1910	4	1951	5.0	1911	28
Corn for Grain	1924	Bu.	High	1932	3,176	1989	120.0	1927	71,737
			Low	1967	30	1934	6.4	1966	814
Grain Sorghum	1919	Bu.	High	1955	1,179	1989	49.0	1969	26,840
			Low	1990	350	1936	6.0	1936	2,090
Cotton 2/	1894	Lb.	High	1925	5,288	1990	496	1926	1,773
			Low	1895	185	1934	58	1895	83
All Hay	1909	Ton	High	1989	2,400	1985	2.26	1989	5,115
			Low	1928	855	1936	.75	1911	730
Alfalfa Hay	1924	Ton	High	1954	604	1989	4.00	1989	1,800
			Low	1928	175	1956	1.15	1925	292
Soybeans	1924	Bu.	High	1979	360	1987	25.0	1979	8,280
			Low	1936	1	1934	3.0	1936	4
Peanuts	1909	Lb.	High	1947	325	1988	2,320	1977	267,600
			Low	1913	1	1943	220	1909	450

LIVESTOCK RECORDS, OKLAHOMA, 1891-1991

Species	Date Series Began	Record	Year 1/	January 1 Inventory (000)
All Cattle and Calves	1891	High	1975	6,500
		Low	1891	787
Milk Cows	1891	High	1944	912
		Low	1891	30
All Hogs and Pigs 3/	1891	High	1911	1,600
		Low	1891	26
All Sheep and Lambs	1924	High	1942	399
		Low	1924	63
All Chickens 3/	1924	High	1944	16,247
		Low	1974	2,800

1/ Latest years that records were achieved. Some records were equaled earlier.
2/ Production in bales. As of 1971, 480-pound bales; prior years, 500-pound bales.
3/ Changed from January 1 to December 1 inventory--Hogs in 1967, Chickens in 1969.

NUMBER OF FARMS AND LAND IN FARMS, OKLAHOMA AND U.S., 1987-1991 1/

	Oklahoma			United States		
Year	Number of Farms	Land in Farms	Avg Size of Farm	Number of Farms	Land in Farms	Avg Size of Farm
		-Million Acres-	-Acres-		-Million Acres-	-Acres-
1987	71,000	33.0	465	2,212,960	998.9	451
1988	70,000	33.0	471	2,197,140	994.5	453
1989	70,000	33.0	471	2,170,520	991.2	457
1990	70,000	33.0	471	2,140,420	987.4	461
1991	**70,000**	**33.0**	**471**	**2,104,560**	**982.6**	**467**

LIVESTOCK INVENTORY NUMBERS, OKLAHOMA, JANUARY 1, 1987-1991

Year	All Cattle and Calves	Beef Cows	Milk Cows	All Sheep and Lambs	All Hogs and Pigs 2/	Farm Chickens 2/ 3/
		-Thousand Head-				
1987	5,150	1,946	104	125	220	4,750
1988	5,000	1,799	101	140	200	4,850
1989	5,050	1,814	101	136	240	4,900
1990	5,250	1,880	100	119	230	4,800
1991	**5,550**	**1,870**	**100**	**135**	**215**	**4,750**

CROPS - PLANTED AND HARVESTED ACREAGE, YIELD AND PRODUCTION, OKLAHOMA, 1990

Crops	Units	Acreage Planted	Acreage Harvested	Yield per Acre	Production
		-Thousands-			Thousands
Winter Wheat	Bu.	7,500	6,300	32.0	201,600
Oats	Bu.	100	60	38.0	2,280
Barley	Bu.	20	17	41.0	697
Rye	Bu.	95	18	19.0	342
Corn for Grain	Bu.	105	88	114.0	10,032
Grain Sorghum	Bu.	380	350	44.0	15,400
Cotton Lint	Lbs/Bales	380	370	496	382
All Hay	Tons	-	2,130	1.84	3,926
Alfalfa Hay	Tons	-	430	3.20	1,376
All Other Hay	Tons	-	1,700	1.50	2,550
Soybeans	Bu.	250	210	21.0	4,410
Peanuts	Lbs.	107	106	2,220	235,320
TOTAL HARVESTED ACRES			9,649		

1/ A farm is a place that normally would sell $1,000 of agricultural commodities.
2/ December 1 previous year.
3/ Excludes commercial broilers.

NUMBER OF FARMS AND TOTAL POPULATION, OKLAHOMA, 1990 1/

District and County	Number of Farms	Total Human Population
PANHANDLE		
Beaver	825	6,023
Cimarron	455	3,301
Ellis	620	4,497
Harper	500	4,063
Texas	800	16,419
Total	3,200	34,303
WEST CENTRAL		
Beckham	810	18,812
Blaine	915	11,470
Custer	860	26,897
Dewey	725	5,551
Roger Mills	710	4,147
Washita	1,080	11,441
Total	5,100	78,318
SOUTHWEST		
Caddo	1,530	29,550
Comanche	945	111,486
Cotton	510	6,651
Greer	475	6,559
Harmon	380	3,793
Jackson	700	28,764
Kiowa	760	11,347
Tillman	660	10,384
Total	5,960	208,534
NORTH CENTRAL		
Alfalfa	785	6,416
Garfield	1,180	56,735
Grant	865	5,689
Kay	965	48,056
Major	890	8,055
Noble	725	11,045
Woods	750	9,103
Woodward	750	18,976
Total	6,910	164,075
CENTRAL		
Canadian	1,085	74,409
Cleveland	890	174,253
Creek	1,130	60,915
Grady	1,500	41,747
Kingfisher	940	13,212
Lincoln	1,610	29,216
Logan	920	29,011
McClain	895	22,795
Okfuskee	735	11,551
Oklahoma	980	599,611
Payne	1,105	61,507
Pottawatomie	1,285	58,760
Seminole	985	25,412
Total	14,060	1,202,399
SOUTH CENTRAL		
Atoka	940	12,778
Bryan	1,380	32,089
Carter	1,050	42,919
Coal	575	5,780
Garvin	1,320	26,605
Jefferson	525	7,010
Johnston	540	10,032
Love	585	8,157
Marshall	400	10,829
Murray	420	12,042
Pontotoc	1,025	34,119
Stephens	1,060	42,299
Total	9,820	244,659
NORTHEAST		
Craig	1,065	14,104
Delaware	1,195	28,070
Mayes	1,250	33,366
Nowata	680	9,992
Osage	1,020	41,645
Ottawa	955	30,561
Pawnee	625	15,575
Rogers	1,175	55,170
Tulsa	915	503,341
Wagoner	895	47,883
Washington	665	48,066
Total	10,440	827,773
EAST CENTRAL		
Adair	995	18,421
Cherokee	1,045	34,049
Haskell	770	10,940
Hughes	880	13,023
McIntosh	855	16,779
Muskogee	1,355	68,078
Okmulgee	1,005	36,490
Pittsburg	1,405	40,581
Sequoyah	970	33,828
Total	9,280	272,189
SOUTHEAST		
Choctaw	925	15,302
Latimer	615	10,333
LeFlore	1,540	43,270
McCurtain	1,440	33,433
Pushmataha	710	10,997
Total	5,230	113,335
STATE TOTAL	70,000	3,145,585

1/ U.S. Department of Commerce, Bureau of Census, basic source of information. Farm numbers scaled and projected to U.S. Department of Agriculture official State Numbers.

RANK AMONG THE STATES, CROP PRODUCTION, OKLAHOMA, 1982-1990

CROP	No. of States 1/	CROP YEAR 1982	1983	1984	1985	1986	1987	1988	1989	**1990**
	-No.-					-Rank-				
All Wheat	42	3	5	3	4	3	4	2	3	**3**
Winter Wheat	42	2	4	2	3	2	2	2	2	**2**
Barley	27	26	25	22	23	24	25	25	22	**23**
Oats	32	19	21	18	20	17	23	24	27	**21**
Rye	21	6	6	6	7	6	11	7	9	**11**
Corn, Grain	41	36	36	36	37	37	35	31	31	**30**
Corn, Silage	41	41	40	40	39	39	37	39	43	**41**
Sorghum, Grain	18	5	8	10	10	7	6	6	6	**6**
Sorghum, Silage	20	10	10	11	11	6	9	8	9	**10**
Cotton	17	9	9	11	10	9	9	11	11	**9**
Cottonseed	17	9	9	10	10	9	8	11	11	**8**
All Hay	48	18	16	18	12	17	16	13	11	**17**
Alfalfa Hay	42	24	22	24	21	20	23	19	17	**22**
All Other Hay	43	9	4	6	3	8	4	5	4	**7**
Soybeans	29	27	27	28	29	26	25	27	27	**27**
Peanuts	9	6	6	7	7	7	6	7	7	**6**
Pecans	11	6	6	2	6	6	6	3	6	**5**
Peaches	32	17	22	22	14	22	23	10	8	**16**

RANK AMONG THE STATES, DAIRY AND POULTRY PRODUCTS, OKLAHOMA, 1982-1990

ITEM	No. of States 1/	YEAR 1982	1983	1984	1985	1986	1987	1988	1989	**1990**
Broilers Produced	50	13	13	14	14	14	13	13	12	**11**
Eggs	50	25	25	22	21	23	24	25	24	**25**
Milk Production	50	26	26	26	26	28	28	29	30	**30**

RANK AMONG THE STATES, LIVESTOCK INVENTORIES, OKLAHOMA, JANUARY 1, 1983-1991

SPECIES	No. of States 1/	YEAR 1983	1984	1985	1986	1987	1988	1989	1990	**1991**
	-No.-					-Rank-				
Cattle & Calves	50	6	5	4	4	4	4	4	4	**4**
Hogs 2/	50	25	23	24	26	23	27	23	23	**23**
Sheep & Lambs	50	22	21	26	24	23	20	20	22	**21**
Catfish	17	-	-	-	-	-	-	10	9	**9**
Angora Goats	5	-	-	-	-	-	-	4	4	**4**

1/ Number of States in estimating program in 1990.
2/ December 1 previous year.

RANK AND VALUE OF PRODUCTION OF PRINCIPAL CROPS AND LIVESTOCK, OKLAHOMA, 1986-1990

ITEM	1986		1987		1988		1989		1990	
	Rank	Value	Rank	Value	Rank	Value	Rank	Value	Rank	Value
					-Million Dollars-					
Cattle & Calves	1	1,141	1	1,227	1	1,290	1	1,371	1	1,461
Winter Wheat	2	344	2	319	2	617	2	583	2	514
All Hay	3	226	3	267	3	305	3	340	3	283
Poultry & Eggs 1/	4	176	4	171	4	213	4	269	4	254
Milk Production	5	157	5	157	5	152	5	172	5	178
Cotton Lint	7	44	6	97	7	68	7	47	6	116
Peanuts	6	60	7	57	8	62	6	61	7	95
Hogs & Pigs	8	41	8	43	9	37	9	37	8	51
Grain Sorghum	9	35	9	32	6	39	8	37	9	33
Soybeans	10	22	10	34	10	35	10	37	10	24
Corn for Grain	11	10	11	16	12	18	11	22	11	23
Pecans	12	9	13	5	11	20	13	6	12	5
Oats	13	6	14	4	14	6	15	4	13	4
Sheep & Wool	14	5	15	4	15	5	14	5	14	4
Angora Goats	-	-	-	-	16	4	16	4	15	4
Peaches	16	2	16	1	13	7	12	7	16	3
Catfish	-	-	12	6	17	3	19	1	17	2
Barley	15	2	17	1	18	2	17	2	18	1
Rye	17	1	18	1	19	2	18	1	19	1
TOTAL VALUE		2,281		2,442		2,885		3,006		3,056

1/ Gross Income. Turkey production not included.

OKLAHOMA CROP-WEATHER SUMMARY

OKLAHOMA
AGRICULTURAL
STATISTICS
SERVICE

Fact Finding
for Agriculture

1990 CROP WEATHER REVIEW

January: Wheat condition made marked improvement due primarily to warm temperatures and much-needed moisture. The Panhandle was the only agricultural reporting district which recorded less than twice the normal precipitation, making this month the wettest January since 1949. Areas with adequate topsoil moisture supplies increased from 0 to 65 percent during the month, however moisture shortages continued to dominate in the southwest.

February: Above normal temperatures and one of the wettest February's on record produced an upsurgence in wheat growth. Wheat condition ratings went from fair to good during the month. Wet fields restricted top-dressing and weed control activities for fall-sown crops and hampered soil preparation for spring plantings.

March: Mild, wet weather was beneficial for wheat development as it was generally in good condition during the month. One cold snap during late March caused some freeze damage to wheat which had moderate top growth. Freezing temperatures significantly reduced the 1990 fruit crop. Wet fields hindered top-dressing, fertilizer application, and row crop seedbed preparation.

April: Rain and cool temperatures slowed wheat growth but aided the filling of heads. Crop development slipped behind the 5-year averages. Row crop plantings were hindered by wet soil in all areas of Oklahoma except the Panhandle. Some farmers in southeast Oklahoma switched to sorghum or soybeans because rain caused too many delays in corn plantings. Light-to-severe hail damage was reported in several southern counties.

May: Heavy rains during the first week of the month caused severe damage to many southern and eastern counties. Combined with above normal precipitation for each of the preceding months of 1990, accumulation of rain on May 2 and 3 caused the Red River basin to experience the worst flood in 36 years. Many wheat fields were destroyed in these smaller wheat-producing areas. The soft dough stage of development was running a little more than a week behind the 5-year average. Heavy rains caused replantings for cotton and corn. Many row crop plantings were one-to-two weeks behind the 5-year average.

June: Hot, dry weather caused a rapid ripening of wheat. Harvest advanced from one percent complete at the beginning of the month to 98 percent by month's end. Temperatures reached the 100-degree mark somewhere in Oklahoma on 25 days during the month. Despite drying weather, soybean and peanut plantings were still one week behind the average at the end of the month.

July: Hot temperatures during the first part of July were replaced by cooler weather and rain during the last half of the month. Sorghum and soybean development was running from one to two weeks behind average. Subsoil moisture dwindled from adequate at the beginning of the month to mostly short at month's end.

August: Early-month rains and moderate temperatures improved row crop conditions but development was still generally behind normal. High temperatures later in the month caused stress for growing crops. Corn was 10 percent harvested and wheat was 3 percent planted at the end of the month.

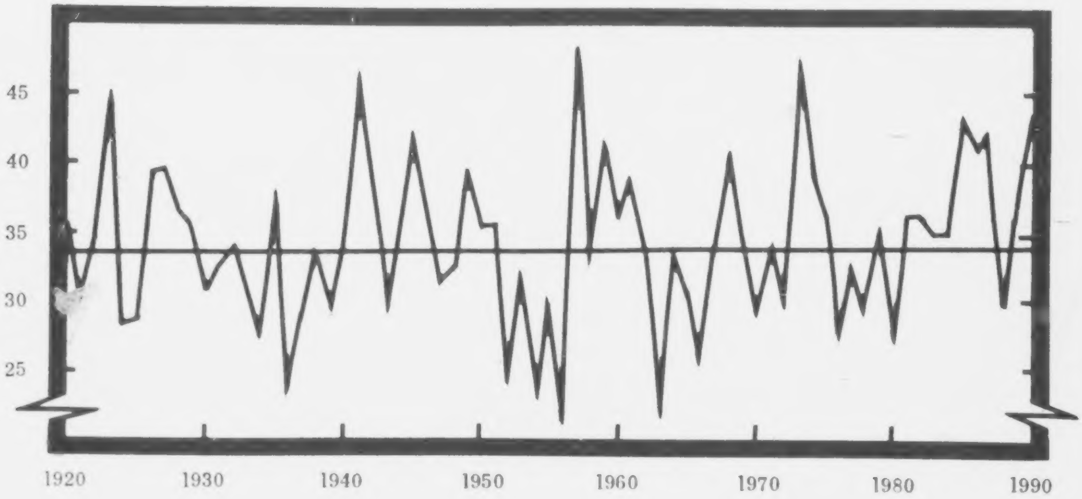
September: Hot temperatures, exceeding 100 degrees in most counties, stifled growth of most field crops during the first half of the month. Soil moisture supplies and crop conditions rebounded because of wet weather later in the month. Some row crops suffered irreversible damage from the prolonged dry weather. Wheat was 30 percent planted by month's end, compared to a normal rate of 40 percent.

October: Mild, dry weather pushed row crop harvest at or ahead of average. Wheat was 95 percent sown by the end of the month. An early freeze during October burnt back warm season pastures. Some farmers were harvesting a sixth cutting of alfalfa hay.

November: Warm temperatures and mostly ample soil moisture supplies boosted wheat pasture prospects and caused row crop harvest to shoot well above the average. Many cotton and soybean producers were waiting for a hard freeze to defoliate plants before harvesting. By the end of the month, wheat and native pastures were becoming stressed by the lack of moisture, particularly in western Oklahoma.

December: Rain and snow kept soil moisture conditions mostly adequate or better. Wheat pasture and late-planted wheat were rated in good condition. Arctic temperatures and snowfall late in the month caused heavy supplemental feeding and stress to cattle.

ANNUAL PRECIPITATION, OKLAHOMA, 1920-1990
Mean Precipitation = 33.68 Inches



AVERAGE PRECIPITATION AND TEMPERATURE, OKLAHOMA, JANUARY-JUNE, 1990 AND NORMAL 1/

District	Jan	Feb	Mar	Apr	May	Jun
PRECIPITATION			-Inches-			
Normal 2/						
Panhandle	0.47	0.69	1.17	1.61	3.19	2.84
West Central	0.82	1.06	1.70	2.39	4.50	3.63
Southwest	1.05	1.29	1.76	2.38	4.86	3.55
North Central	0.86	1.18	1.97	2.65	4.31	3.74
Central	1.34	1.64	2.46	3.29	5.27	4.28
South Central	1.71	2.29	2.93	3.75	5.57	4.12
Northeast	1.69	1.93	3.07	3.88	5.23	4.77
East Central	2.08	2.65	3.58	4.39	5.81	4.57
Southeast	2.88	3.47	4.17	4.78	6.24	4.25
STATE 3/	**1.42**	**1.77**	**2.49**	**3.23**	**4.99**	**3.99**
1990						
Panhandle	0.94	1.74	1.10	2.34	2.47	0.87
West Central	1.47	3.01	2.53	3.85	4.75	1.99
Southwest	1.80	3.66	4.29	4.52	3.98	1.85
North Central	1.75	2.82	3.27	2.31	2.98	0.95
Central	2.36	4.20	7.88	6.57	5.73	1.20
South Central	4.06	4.08	7.68	10.79	7.53	2.59
Northeast	3.19	4.27	8.18	5.91	6.69	3.11
East Central	5.10	5.39	8.50	9.87	11.99	1.59
Southeast	7.13	6.33	7.95	7.87	14.36	3.03
STATE 3/	**3.02**	**3.91**	**5.83**	**6.03**	**6.55**	**1.87**
TEMPERATURES			-Degrees Fahrenheit-			
Normal 2/						
Panhandle	34.0	38.3	45.6	56.3	65.2	75.2
West Central	36.8	41.3	49.5	60.0	68.4	77.8
Southwest	39.1	43.7	51.9	62.1	70.4	79.3
North Central	35.2	39.8	48.4	59.4	68.1	77.9
Central	37.6	42.3	50.6	61.2	69.0	77.7
South Central	40.8	45.2	53.4	63.1	70.5	78.6
Northeast	36.0	40.6	49.3	60.3	68.1	76.7
East Central	38.6	43.0	51.4	61.6	69.0	77.3
Southeast	41.3	45.4	53.3	62.6	69.8	77.6
STATE 3/	**37.6**	**42.1**	**50.3**	**60.7**	**68.7**	**77.5**
1990						
Panhandle	37.2	38.1	45.9	55.7	62.8	79.4
West Central	43.7	44.3	50.5	57.8	67.1	81.4
Southwest	45.1	46.9	52.2	59.6	69.3	83.2
North Central	41.8	42.2	48.7	57.5	66.0	82.3
Central	45.6	46.0	52.3	59.6	68.1	81.5
South Central	46.8	49.1	53.8	60.8	69.3	81.3
Northeast	44.1	44.9	51.5	58.3	65.7	79.5
East Central	46.2	47.7	53.6	60.4	67.0	79.8
Southeast	47.4	50.2	55.3	61.3	67.8	79.8
STATE 3/	**44.2**	**45.4**	**51.5**	**59.0**	**67.0**	**80.9**

See footnotes on next page.

AVERAGE PRECIPITATION AND TEMPERATURE, OKLAHOMA, JULY-DECEMBER, 1990 AND NORMAL 1/

District	Jul	Aug	Sep	Oct	Nov	Dec	Annual
PRECIPITATION				-Inches-			
Normal 2/							
Panhandle	2.54	2.48	1.84	1.38	0.83	0.55	19.59
West Central	2.15	2.42	2.81	2.28	1.34	0.96	26.07
Southwest	2.16	2.26	3.10	2.70	1.38	1.20	27.70
North Central	2.79	2.93	3.04	2.24	1.60	1.10	28.40
Central	2.79	2.71	3.79	3.05	2.10	1.53	34.25
South Central	2.54	2.53	3.85	3.56	2.39	2.04	37.28
Northeast	3.09	3.26	4.50	3.57	2.77	1.96	39.72
East Central	3.10	3.05	4.16	3.83	3.13	2.57	42.94
Southeast	3.67	3.18	4.21	3.84	3.88	3.42	47.99
STATE 3/	**2.76**	**2.76**	**3.50**	**2.94**	**2.14**	**1.68**	**33.68**
1990							
Panhandle	2.92	0.92	2.61	0.42	1.08	0.34	17.75
West Central	1.76	2.89	3.75	0.84	2.21	0.33	29.38
Southwest	4.47	2.80	2.72	1.06	2.69	1.02	34.86
North Central	2.30	1.89	3.57	1.01	1.76	0.47	25.14
Central	2.01	2.60	4.80	1.64	2.54	1.72	43.25
South Central	3.90	2.31	5.61	2.37	4.22	2.14	57.28
Northeast	1.35	2.56	5.39	2.35	2.65	3.15	48.80
East Central	2.56	2.83	6.81	3.21	3.68	4.19	65.72
Southeast	5.19	1.95	5.81	5.06	3.46	3.84	71.98
STATE 3/	**2.87**	**2.29**	**4.58**	**1.95**	**2.68**	**1.90**	**43.48**
TEMPERATURES				-Degrees Fahrenheit-			
Normal 2/							
Panhandle	80.3	78.8	70.7	59.2	45.1	36.5	57.1
West Central	82.6	81.6	73.3	62.3	48.5	39.4	60.1
Southwest	83.9	83.1	75.1	64.0	50.6	41.6	62.1
North Central	83.0	81.9	73.5	62.2	47.8	38.1	59.6
Central	82.5	81.9	74.0	63.2	49.9	40.6	60.9
South Central	83.2	82.9	75.5	64.9	52.4	43.5	62.8
Northeast	81.7	80.9	73.0	62.0	49.0	39.4	59.7
East Central	82.0	81.4	74.0	63.4	50.8	41.7	61.2
Southeast	81.9	81.5	74.5	64.1	52.2	43.9	62.3
STATE 3/	**82.3**	**81.5**	**73.7**	**62.8**	**49.5**	**40.5**	**60.6**
1990							
Panhandle	78.1	78.3	73.2	57.2	49.0	30.6	57.1
West Central	79.5	80.4	75.5	59.9	52.2	34.3	60.6
Southwest	80.7	81.0	76.6	61.4	53.6	36.0	62.2
North Central	81.1	81.3	76.1	59.9	52.2	33.4	60.2
Central	80.6	81.5	77.0	61.2	55.2	36.8	62.1
South Central	80.7	81.9	77.5	62.1	56.9	39.4	63.3
Northeast	80.3	80.7	76.3	59.3	55.0	36.8	61.0
East Central	80.2	80.8	76.6	60.4	55.8	39.3	62.3
Southeast	80.2	81.1	77.0	61.4	56.1	41.1	63.2
STATE 3/	**80.2**	**80.8**	**76.2**	**60.3**	**54.0**	**36.4**	**61.3**

1/ Compiled from U.S.Department of Commerce Environmental Data Service records.
2/ Normals for all stations are climatological normals based on the period 1931-1990.
3/ State averages based on district averages, weighted by area.

OKLAHOMA
CROP PRODUCTION

OKLAHOMA
AGRICULTURAL
STATISTICS
SERVICE

Fact Finding
for Agriculture

1990 CROP REVIEW

Ample soil moisture supplies throughout the growing season and cool evening temperatures during the head-filling stage of development boosted Oklahoma'a 1990 wheat production. For only the third time in history wheat production eclipsed 200 million bushels. Quality of the 1990 crop was surprisingly good considering the heavy rainfall.

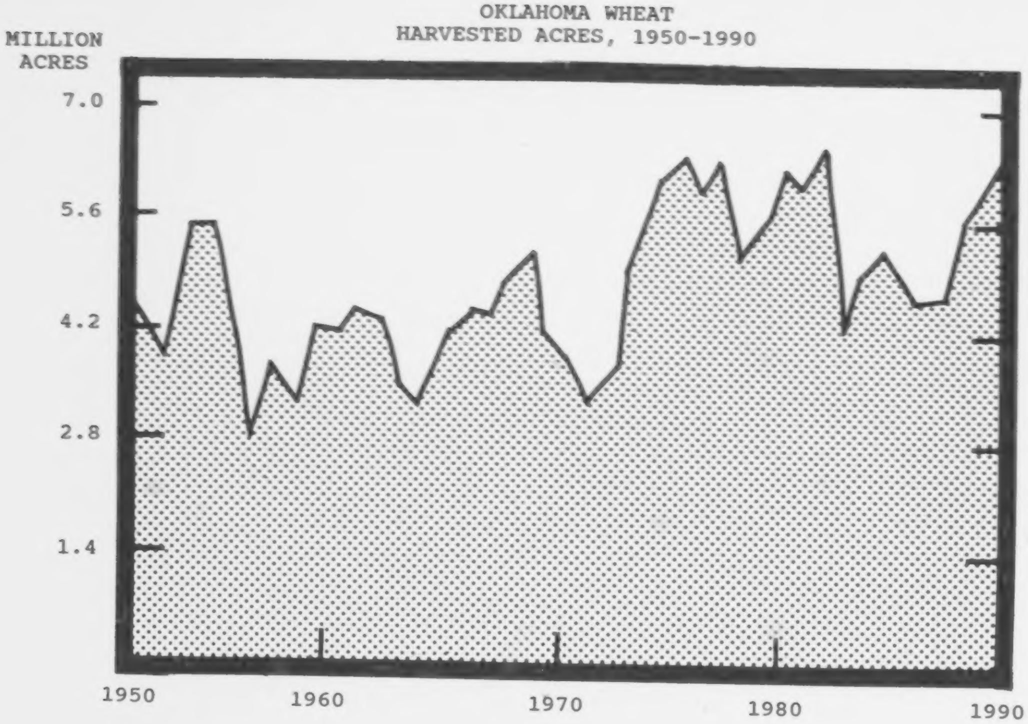
Oats rebounded from the record-low production of 1989 by posting a 12 percent increase. Barley and rye crops continued their low production and stand at their lowest levels since the early 1950's.

Hot, dry weather during the summer months discouraged production of grain sorghum, soybeans, and corn. The average yields dropped significantly from 1989's record-high yields for grain sorghum and corn. Soybean production dropped to the lowest level since 1985.

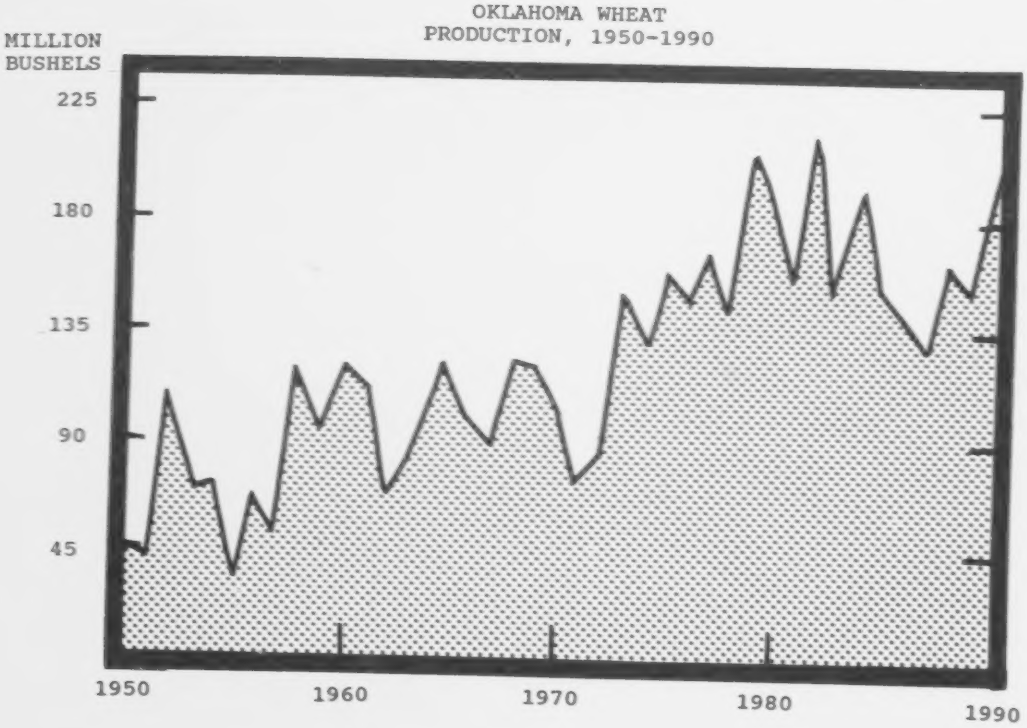
Cotton and peanut crops benefited from the hot summer temperatures and the Indian summer-like fall weather. Average yield for cotton shattered 1979's previous record-high yield by 64 pounds per acre. Peanut production rose to the highest level since 1979.

Minor crop production during 1990 dipped significantly from the previous year. Pecan production, at 5 million pounds, was the lowest since the early 1980's. Peach production, at 8 million pounds, was less than a third of 1989's production.

Quarterly grain stocks were up for wheat but down for most other crops. Near-record production kept 1990 wheat stocks above the previous year.



OKLAHOMA WHEAT
HARVESTED ACRES, 1950-1990



OKLAHOMA WHEAT
PRODUCTION, 1950-1990

CROP ACREAGE, YIELD, AND PRODUCTION, OKLAHOMA, 1986-1990, AND HISTORIC

CROP & YEAR	Planted Acres 1/	Harvested Acres	Yield Per Harvested Acre	Unit	Production	Season Avg. Price 2/	Value of Production
	-Thousands-				Thousands	Dollars	-Thou Dol-
BARLEY							
1950	250	52	13.5	Bu.	702	1.81	828
1960	832	664	24.0	Bu.	15,936	0.73	11,633
1970	680	600	39.0	Bu.	23,400	0.87	20,358
1980	75	50	33.0	Bu.	1,650	2.46	4,059
1986	50	38	36.0	Bu.	1,368	1.70	2,326
1987	30	25	30.0	Bu.	750	1.55	1,163
1988	20	16	48.0	Bu.	768	2.15	1,651
1989	25	20	40.0	Bu.	800	2.20	1,760
1990	**20**	**17**	**41.0**	**Bu.**	**697**	**1.95**	**1,359**
CORN FOR GRAIN							
1950	1,083	1,011	23.5	Bu.	23,758	1.30	30,885
1960	231	206	33.5	Bu.	6,901	1.07	7,384
1970	107	62	78.0	Bu.	4,836	1.32	6,384
1980	125	75	70.0	Bu.	5,250	3.55	18,638
1986	70	45	118.0	Bu.	5,310	1.85	9,824
1987	90	66	107.0	Bu.	7,062	2.20	15,536
1988	90	72	95.0	Bu.	6,840	2.70	18,468
1989	95	78	120.0	Bu.	9,360	2.40	22,464
1990	**105**	**88**	**114.0**	**Bu.**	**10,032**	**2.25**	**22,572**
COTTON LINT 3/							
1950	1,005	795	145	Bales	242	38.50	46,483
1960	655	630	348	Bales	457	27.53	63,087
1970	525	450	206	Bales	193	20.00	18,528
1980	715	565	174	Bales	205	76.60	75,374
1986	400	350	288	Bales	210	43.40	43,747
1987	400	385	431	Bales	346	58.40	96,991
1988	460	435	334	Bales	303	46.80	68,066
1989	370	340	244	Bales	173	57.00	47,333
1990	**380**	**370**	**496**	**Bales**	**382**	**63.10**	**115,700**
COTTONSEED							
1950				Tons	98	90.60	8,879
1960				Tons	185	40.80	7,548
1970				Tons	79	58.20	4,598
1980				Tons	82	125.00	10,250
1986				Tons	85	93.50	7,948
1987				Tons	155	77.00	11,935
1988				Tons	117	108.00	12,636
1989				Tons	74	124.00	9,176
1990				**Tons**	**150**	**107.00**	**16,050**

See footnotes on page 16.

CROP ACREAGE, YIELD, AND PRODUCTION, OKLAHOMA, 1986-1990, AND HISTORIC

CROP & YEAR	Planted Acres 1/	Harvested Acres	Yield Per Harvested Acre	Unit	Production	Season Avg. Price 2/	Value of Production
	-Thousands-				Thousands	Dollars	-Thou Dol-
OATS							
1950	873	473	16.5	Bu.	7,804	0.84	6,555
1960	740	447	29.0	Bu.	12,963	0.64	8,296
1970	400	225	41.5	Bu.	9,338	0.69	6,443
1980	220	100	39.0	Bu.	3,900	1.96	7,644
1986	200	100	44.0	Bu.	4,400	1.40	6,160
1987	160	60	38.0	Bu.	2,280	1.75	3,990
1988	140	65	42.0	Bu.	2,730	2.10	5,733
1989	130	60	34.0	Bu.	2,040	2.10	4,284
1990	**100**	**60**	**38.0**	**Bu.**	**2,280**	**1.75**	**3,990**
PEANUTS							
1950	222	212	590	Lbs.	125,080	0.100	12,508
1960	112	110	1,380	Lbs.	151,800	0.100	15,180
1970	122	116	1,655	Lbs.	191,980	0.122	23,422
1980	123	105	1,335	Lbs.	140,175	0.258	36,165
1986	92	88	2,055	Lbs.	180,840	0.330	59,677
1987	100	99	2,250	Lbs.	222,750	0.258	57,470
1988	99	97	2,320	Lbs.	225,040	0.274	61,661
1989	99	98	2,150	Lbs.	210,700	0.288	60,682
1990	**107**	**106**	**2,220**	**Lbs.**	**235,320**	**0.405**	**95,305**
RYE							
1950	141	45	5.0	Bu.	225	1.32	297
1960	322	78	12.5	Bu.	975	0.89	868
1970	299	52	18.0	Bu.	936	1.02	955
1980	200	34	24.0	Bu.	816	2.00	1,632
1986	140	35	21.0	Bu.	735	1.50	1,103
1987	130	20	18.0	Bu.	360	1.75	630
1988	130	30	24.0	Bu.	720	3.35	2,412
1989	100	28	19.0	Bu.	532	2.00	1,064
1990	**95**	**18**	**19.0**	**Bu.**	**342**	**2.40**	**821**
SOYBEANS							
1950	35	23	17.0	Bu.	391	2.12	829
1960	130	121	20.0	Bu.	2,420	1.82	4,404
1970	210	185	18.0	Bu.	3,330	2.67	8,891
1980	350	300	10.0	Bu.	3,000	7.34	22,020
1986	255	200	24.0	Bu.	4,800	4.55	21,840
1987	250	240	25.0	Bu.	6,000	5.60	33,600
1988	290	270	18.0	Bu.	4,860	7.15	34,749
1989	300	285	24.0	Bu.	6,840	5.40	36,936
1990	**250**	**210**	**21.0**	**Bu.**	**4,410**	**5.45**	**24,035**

See footnotes on page 16.

CROP ACREAGE, YIELD AND PRODUCTION, OKLAHOMA, 1986-1990, AND HISTORIC

CROP & YEAR	Planted Acres 1/	Harvested Acres	Yield Per Harvested Acre	Unit	Production	Season Avg. Price 2/	Value of Production
	-Thousands-				Thousands	Dollars	-Thou Dol-
GRAIN SORGHUM							
1950	1,719	947	18.5	Bu.	17,520	1.05	18,396
1960	1,280	779	30.5	Bu.	23,760	0.80	19,008
1970	937	555	42.0	Bu.	23,310	1.15	26,807
1980	700	480	34.0	Bu.	16,320	3.06	49,939
1986	550	490	48.0	Bu.	23,520	1.49	35,045
1987	450	410	46.0	Bu.	18,860	1.70	32,062
1988	410	360	45.0	Bu.	16,200	2.42	39,204
1989	400	360	49.0	Bu.	17,640	2.09	36,868
1990	**380**	**350**	**44.0**	**Bu.**	**15,400**	**2.13**	**32,802**
WINTER WHEAT							
1950	5,910	4,707	9.0	Bu.	42,363	2.02	85,573
1960	4,887	4,665	26.0	Bu.	121,290	1.75	212,258
1970	5,025	3,900	26.0	Bu.	101,400	1.33	134,862
1980	7,500	6,500	30.0	Bu.	195,000	3.83	746,850
1986	7,400	5,200	29.0	Bu.	150,800	2.28	343,824
1987	7,200	4,800	27.0	Bu.	129,600	2.46	318,816
1988	7,000	4,800	36.0	Bu.	172,800	3.57	616,896
1989	7,300	5,700	27.0	Bu.	153,900	3.79	583,281
1990	**7,500**	**6,300**	**32.0**	**Bu.**	**201,600**	**2.55**	**514,080**
ALL HAY							
1950		1,446	1.32	Tons	1,908	18.00	34,344
1960		1,344	1.59	Tons	2,133	19.60	41,807
1970		1,655	1.67	Tons	2,767	27.50	76,093
1980		1,570	1.47	Tons	2,315	72.50	167,838
1986		1,980	2.09	Tons	4,140	54.50	225,630
1987		2,210	1.92	Tons	4,233	63.00	266,679
1988		2,310	1.70	Tons	3,931	77.50	304,653
1989		2,400	2.13	Tons	5,115	66.50	340,148
1990		**2,130**	**1.84**	**Tons**	**3,926**	**72.00**	**282,672**

1/ Acres planted for all purposes.
2/ Season average price through 1985; marketing year average price from 1986 forward.
3/ Yield per acre in pounds.

CROP ACREAGE, YIELD AND PRODUCTION, OKLAHOMA, 1986-1990, AND HISTORIC

CROP & YEAR	Harvested Acres	Yield per Harvested Acre	Unit	Production
	-Thousands-			-Thousands-
ALFALFA HAY				
1950	449	1.95	Tons	876
1960	325	2.60	Tons	845
1970	595	2.40	Tons	1,428
1980	420	2.50	Tons	1,050
1986	430	3.50	Tons	1,505
1987	410	3.30	Tons	1,353
1988	410	3.10	Tons	1,271
1989	450	4.00	Tons	1,800
1990	**430**	**3.20**	**Tons**	**1,376**
ALL OTHER HAY 1/				
1950	997	1.04	Tons	1,032
1960	1,019	1.26	Tons	1,288
1970	1,060	1.26	Tons	1,339
1980	1,150	1.10	Tons	1,265
1986	1,550	1.70	Tons	2,635
1987	1,800	1.60	Tons	2,880
1988	1,900	1.40	Tons	2,660
1989	1,950	1.70	Tons	3,315
1990	**1,700**	**1.50**	**Tons**	**2,550**
SORGHUM FOR SILAGE				
1950	62	5.5	Tons	341
1960	131	8.0	Tons	1,048
1970	40	9.5	Tons	380
1980	30	9.0	Tons	270
1986	17	13.0	Tons	221
1987	15	13.0	Tons	195
1988	14	12.0	Tons	168
1989	13	13.0	Tons	169
1990	**12**	**8.0**	**Tons**	**96**
CORN FOR SILAGE				
1950	5	5.0	Tons	25
1960	14	6.5	Tons	91
1970	39	16.5	Tons	644
1980	36	13.0	Tons	468
1986	21	17.0	Tons	357
1987	23	16.0	Tons	368
1988	13	14.0	Tons	182
1989	14	14.0	Tons	196
1990	**15**	**16.0**	**Tons**	**240**

1/ Includes wild, grain, peanut, lespedeza, and other tame hay.

FRUIT AND NUTS, PRODUCTION AND VALUE, OKLAHOMA, 1986-1990, AND HISTORIC

CROP & YEAR	Unit	Production	Average Price	Value of Production
		Thousands	Dollars	Thousand Dollars
PEACHES				
1950	Lb.	14,500	.0469	680
1960	Lb.	8,800	.0478	421
1970	Lb.	8,500	.0700	595
1980	Lb.	8,000	.1780	1,424
1986	Lb.	5,500	.3340	1,837
1987	Lb.	4,000	.3680	1,472
1988	Lb.	26,000	.2640	6,864
1989	Lb.	25,000	.2750	6,683
1990	**Lb.**	**8,000**	**.3630**	**2,795**
PECANS (Seedlings)				
1950	Lb.	6,370	.260	1,656
1960	Lb.	38,000	.290	11,020
1970	Lb.	8,000	.360	2,880
1980	Lb.	3,000	.680	2,040
1986	Lb.	13,500	.590	7,965
1987	Lb.	11,000	.380	4,180
1988	Lb.	44,500	.422	18,779
1989	Lb.	8,000	.591	4,728
1990	**Lb.**	**4,200**	**.870**	**3,654**
PECANS (Improved)				
1950	Lb.	630	.380	239
1960	Lb.	3,000	.365	1,095
1970	Lb.	500	.490	245
1980	Lb.	500	1.150	575
1986	Lb.	1,500	.965	1,448
1987	Lb.	1,000	.793	793
1988	Lb.	2,500	.646	1,615
1989	Lb.	1,000	.982	982
1990	**Lb.**	**800**	**1.140**	**912**
PECANS (All)				
1950	Lb.	7,000	.269	1,895
1960	Lb.	41,000	.296	12,115
1970	Lb.	8,500	.368	3,125
1980	Lb.	3,500	.747	2,615
1986	Lb.	15,000	.628	9,413
1987	Lb.	12,000	.414	4,973
1988	Lb.	47,000	.434	20,394
1989	Lb.	9,000	.634	5,710
1990	**Lb.**	**5,000**	**.913**	**4,566**

MONTHLY FARM MARKETINGS OF CROPS, OKLAHOMA, 1985-1989

Crop & Year	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
	-Percent of Total Sales-											
WINTER WHEAT												
1985	4	28	14	8	7	6	6	10	8	3	4	2
1986	6	28	14	5	6	5	3	7	10	7	7	2
1987	4	22	12	13	7	8	7	10	7	4	3	3
1988	5	28	11	9	9	5	5	9	10	2	5	2
1989	**2**	**21**	**17**	**9**	**5**	**7**	**11**	**1**	**13**	**3**	**5**	**6**
ALL HAY												
1985	2	11	28	12	1	7	6	10	5	6	5	7
1986	2	10	26	11	1	7	8	9	5	7	7	7
1987	9	18	18	8	5	8	9	8	8	4	4	1
1988	10	19	21	10	7	8	7	6	5	3	3	1
1989	**5**	**10**	**22**	**10**	**11**	**10**	**5**	**6**	**7**	**6**	**5**	**3**

Crop Year	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
	-Percent of Total Sales-											
COTTON 1/												
1985	-	-	10	10	11	25	12	4	1	12	15	-
1986	5	-	-	6	-	-	2	18	23	20	8	18
1987	-	-	4	11	25	27	14	9	5	1	3	1
1988	9	21	19	3	8	9	12	10	6	3	-	-
1989 2/												
SORGHUM												
1985	5	4	12	33	19	16	3	1	2	1	3	1
1986	1	6	12	22	24	17	3	3	5	1	3	3
1987	3	5	10	24	23	16	4	4	2	2	5	2
1988	1	1	13	18	14	18	6	10	6	4	3	6
1989	**3**	**5**	**13**	**28**	**15**	**10**	**12**	**4**	**6**	**1**	**2**	**1**

1/ Does not include unredeemed cotton at end of marketing year.

2/ Cotton monthly marketing estimates discontinued after the 1988 crop year.

STOCKS OF GRAIN, OKLAHOMA, 1986-1990

CROP & YEAR	MARCH 1		JUNE 1		SEPTEMBER 1		DECEMBER 1	
	Off-Farm Stocks	Total Stocks	Off-Farm Stocks	Total Stocks	Off-Farm Stocks	Total Stocks	Off-Farm Stocks	Total Stocks
	-Thousand Bushels-							
BARLEY 1/ 2/								
1986			167		266			
1987			194					
1988			100		216		262	
1989			114		112		114	
1990	**98**		**102**		**166**		**94**	
CORN 2/								
1986	445		373		507		1,605	
1987	1,522		1,354		1,577		2,719	
1988	2,552		2,200		1,909		2,667	
1989	2,264		1,613		1,292		1,678	
1990	**1,437**		**471**		**556**		**1,792**	
OATS 1/ 2/								
1986			431		723			
1987			402					
1988			343					
1989			362					
1990	**328**		**296**		**445**		**367**	
SORGHUM 1/								
1986			6,603	7,616	5,695	6,483		
1987			22,029	23,729	18,419	19,119		
1988			15,968	17,768	14,494	15,094		
1989			11,850	13,550	11,626	11,976		
1990	**10,900**	**13,100**	**7,645**	**8,545**	**5,931**	**6,231**	**9,706**	**13,206**
SOYBEANS 2/								
1986	368		161		139		820	
1987	572		265		139		1,812	
1988	525		187		97		1,534	
1989	464		290		216		2,263	
1990	**1,000**		**327**		**168**		**1,998**	
WINTER WHEAT								
1986	138,412	153,262	116,799	125,049	173,061	203,061	158,243	180,243
1987	130,733	143,733	103,049	110,549	140,211	166,211	136,192	151,192
1988	82,158	91,158	42,746	47,746	118,564	141,064	82,933	94,933
1989	45,794	52,294	24,027	27,027	92,246	112,246	67,641	78,641
1990	**38,167**	**43,667**	**14,226**	**16,726**	**104,986**	**125,986**	**77,748**	**89,748**
STORAGE CAPACITY 3/								
1986							261,710	NA
1987							267,450	397,450
1988							261,430	386,430
1989							260,850	370,850
1990							**257,760**	**367,760**

1/ Off-farm stocks discontinued where blank.
2/ Total stocks not available.
3/ Storage capacity available only for December 1.

CONSUMPTION OF COMMERCIAL FERTILIZERS, OKLAHOMA AND U.S., 1989-1990

ITEM	OKLAHOMA		UNITED STATES	
	1989	1990	1989	1990
	-Tons-			
Multiple Nutrient Class				
N-P-K	62,433	46,962	9,831,238	10,231,591
N-P	209,223	180,388	6,230,119	6,632,789
N-K	1,039	2,040	829,516	878,261
P-K	145	141	682,170	627,556
Single Nutrient Class				
Nitrogen Fertilizers:				
Anhydrous Ammonia	163,407	161,028	4,623,953	4,634,471
Aqua Ammonia	1,517	0	493,687	407,216
Nitrogen Solutions	209,011	185,704	7,056,966	7,786,466
Urea	178,658	179,702	3,381,855	3,738,827
Ammonium Nitrate	80,431	56,695	1,898,668	1,777,561
Ammonium Sulfate	6,752	4,586	817,680	874,758
Ammonium Thiosulfate	338	819	154,618	165,972
Other Nitrogen Fertilizers	3,231	6,477	685,860	961,731
Phosphate Fertilizers:				
Superphosphates				
22% and under	3	0	27,471	13,717
Over 22%	3,474	2,510	579,231	579,841
Phosphoric Acid	0	0	46,560	46,163
Other Phosphate Fertilizers	1,460	1,219	153,964	141,483
Potash Fertilizers:				
Potassium Chloride (60%+)	41,645	43,831	4,875,570	5,357,809
Potassium Sulfate (50%)	0	1	102,234	136,174
Sul. of Potash Mag. (20%)	1,238	1,433	113,932	129,297
Other Potash Fertilizers	99	359	176,527	191,918
All Fertilizers 1/:				
Multiple Nutrient	272,840	229,531	17,573,043	18,370,198
Single Nutrient	691,266	644,362	25,188,778	26,943,405
Sec. & Micro Nutrient	4,961	12,772	2,025,052	2,391,914
Total	969,066	886,666	44,786,873	47,705,517

1/ Materials used for the manufacture or blending of reported fertilizer grades or for use in other fertilizers are excluded to avoid double-counting.

SOURCE: National Fertilizer Development Center, Tennessee Valley Authority.

OKLAHOMA WHEAT VARIETIES: PERCENTAGE OF SEEDED ACREAGE, SELECTED YEARS

Variety	1990	1986	1984	1979	1976
Hard:					
Chisholm	30.8	23.1	0.2	—	—
Pioneer 2157	29.2	3.1	—	—	—
Tam W-101	5.9	20.5	30.2	35.8	16.6
Mesa	3.4	—	—	—	—
Pioneer 2180	3.2	—	—	—	—
Scout (includes 66)	2.5	4.2	4.7	11.1	16.8
Triumph	2.3	3.2	4.9	12.6	13.7
Siouxland	1.9	0.3	—	—	—
Arkan	1.5	1.5	—	—	—
Century	1.4	0.2	—	—	—
Stallion	1.4	—	—	—	—
Tam 105	1.4	3.6	12.5	—	—
Thunderbird	1.3	—	—	—	—
Payne	1.2	3.1	3.0	0.5	—
Tam 200	0.9	—	—	—	—
Hawk	0.8	4.2	1.3	—	—
Tam 107	0.8	—	—	—	—
Vona	0.7	7.9	22.9	1.8	—
Mustang	0.7	6.1	—	—	—
Newton	0.6	2.0	3.3	0.2	—
Other Pioneer	0.5	0.6	0.5	—	—
All Other Hard	7.6	16.4	16.5	38.0	52.9
Soft Varieties	0.8	—	—	—	—
Unknown	3.2	5.7	1.1	26.6	34.2
TOTAL	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

OKLAHOMA COTTON VARIETIES: PERCENTAGE OF SEEDED ACREAGE, SELECTED YEARS

Variety	1989	1989	1988	Variety	1990	1989	1988
Lankart	32.5	33.8	36.5	Bronco	1.3	2.6	0.7
Paymaster	19.1	10.5	20.5	Rosebud	1.0	2.3	1.8
Cascot	15.3	15.0	7.8	Hurdt's	1.0	0.8	2.1
Deltapine	10.4	5.5	5.7	G & P	0.6	2.2	2.5
Tamcot	8.3	12.7	10.9	All-Tex	0.6	1.9	1.9
Stoneville	2.9	7.3	5.0	All Others	3.1	3.7	2.2
Holland	2.1	1.7	2.4				
Hyperformer	1.8	—	—	**TOTAL**	**100.0**	**100.0**	**100.0**

Source: Cotton Varieties Planted, U.S.D.A., Agricultural Marketing Service.

OKLAHOMA PEANUT VARIETIES: YIELD SUMMARY DATA, 1982-1990

Variety	Market Type 1/	No. Tests	Yield (lb/ac)	Grade (% TSMK)	Variety	Market Type 1/	No. Tests	Yield (lb/ac)	Grade (% TSMK)
Pronto	Sp	30	2591	70	Okrun	Ru	30	3731	71
Spanco	Sp	30	2955	68	Florunner	Ru	30	3578	70
Starr	Sp	27	2846	69	Tamrun 88	Ru	12	3588	73

1/ For market types: Sp = Spanish; Ru = Runner.

Source: Oklahoma Agricultural Experiment Station data, Cooperative Extension Service.

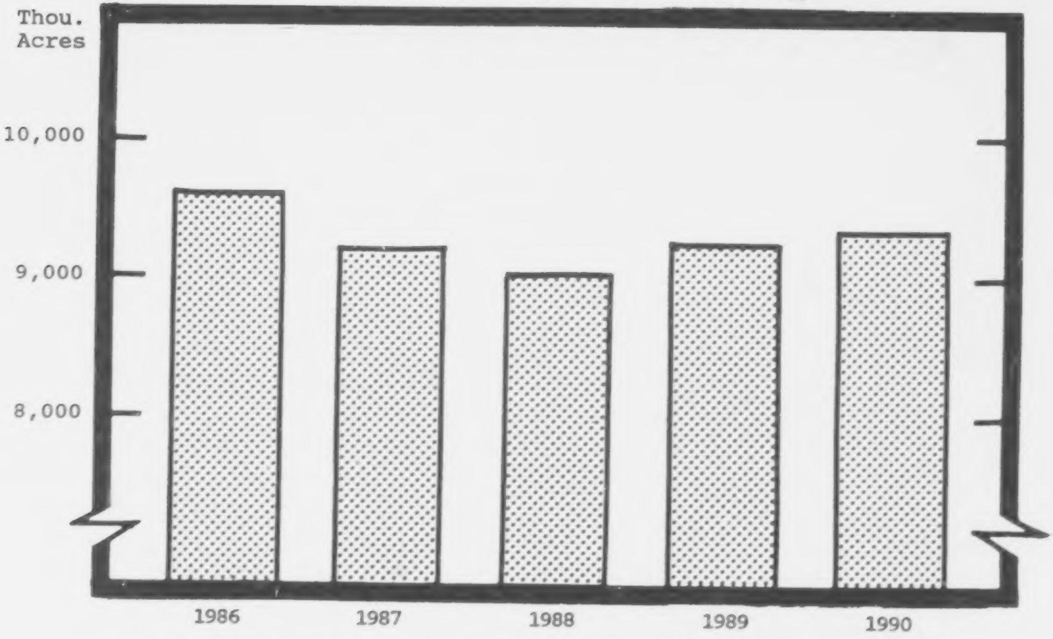
OKLAHOMA WHEAT QUALITY, 1988-1990 1/

Dist and Year	Cars Smpl	Grade 1 or 2 Pct.	Dock Pct.	Test Wt Lbs.	Moist Pct.	T Dam Pct.	F Mat Pct.	S & B Pct.	T Def Pct.	Prot Pct.
PANHANDLE										
1988	274	97.1	1.1	60.9	10.5	0.49	0.14	2.58	3.21	12.1
1989	44	90.6	0.8	59.0	11.9	0.92	0.17	1.80	2.90	13.0
1990	**265**	**98.3**	**0.6**	**60.4**	**10.6**	**0.15**	**0.15**	**1.65**	**1.95**	**NA**
WEST CENTRAL										
1988	1151	87.9	0.7	61.3	11.0	0.94	0.24	2.39	3.56	11.4
1989	788	88.4	0.7	59.8	12.6	0.34	0.30	1.22	1.86	12.2
1990	**1152**	**93.1**	**0.7**	**60.5**	**11.0**	**0.31**	**0.27**	**2.24**	**2.82**	**11.1**
SOUTHWEST										
1988	2473	95.2	0.9	61.6	11.2	0.38	0.12	1.89	2.38	11.2
1989	1314	91.2	0.8	60.8	12.4	0.45	0.15	1.30	1.89	12.9
1990	**2206**	**96.0**	**0.7**	**60.6**	**11.2**	**0.47**	**0.08**	**2.10**	**2.66**	**11.5**
NORTH CENTRAL										
1988	2613	93.9	0.8	61.4	11.1	0.43	0.16	2.63	3.22	11.6
1989	2284	91.8	0.8	60.1	12.1	0.81	0.22	1.59	2.63	12.6
1990	**2786**	**97.7**	**0.7**	**61.5**	**11.2**	**0.31**	**0.20**	**2.12**	**2.63**	**11.6**
CENTRAL										
1988	381	86.6	0.7	61.3	11.2	0.75	0.13	2.84	3.72	11.7
1989	291	97.3	0.9	60.2	12.5	0.88	0.23	1.25	2.36	11.9
1990	**551**	**94.1**	**0.6**	**60.9**	**11.8**	**0.55**	**0.30**	**2.26**	**3.11**	**11.2**
SOUTH CENTRAL										
1988	14	92.9	0.8	61.0	11.1	0.00	0.22	2.18	2.40	NA
1989	22	87.4	0.8	59.0	12.8	0.05	0.20	1.41	1.66	NA
1990	**21**	**95.2**	**0.6**	**59.7**	**11.3**	**0.05**	**0.26**	**2.72**	**3.03**	**NA**
NORTHEAST 1/										
1989	549	91.7	0.5	59.1	13.0	0.29	0.28	1.57	2.14	12.0
1990	**280**	**56.4**	**0.7**	**58.2**	**12.6**	**0.65**	**0.23**	**2.39**	**3.27**	**11.3**
EAST CENTRAL 1/										
1989	121	55.6	0.6	57.1	13.4	1.51	0.24	1.73	3.48	NA
1990	**6**	**100.0**	**0.6**	**58.8**	**11.9**	**0.00**	**0.15**	**2.10**	**2.25**	**NA**
STATE										
1988	6906	93.0	0.8	61.4	11.1	0.52	0.16	2.33	3.00	11.4
1989	5412	90.6	0.7	60.1	12.4	0.60	0.20	1.40	2.30	12.5
1990	**7266**	**94.6**	**0.7**	**60.8**	**11.3**	**0.39**	**0.18**	**2.14**	**2.71**	**11.4**

Explanation of Column Headings: Dist = Agricultural Statistic District, Cars Smpl = Cars Sampled, Dock = Dockage, Test Wt = Test Weight, Moist = Moisture, T Dam = Total Damaged, F Mat = Foreign Material, S & B = Shrunken and Broken Kernels, T Def = Total Defects, Prot = Protein, DHV = Dark Hard and Vitreous.

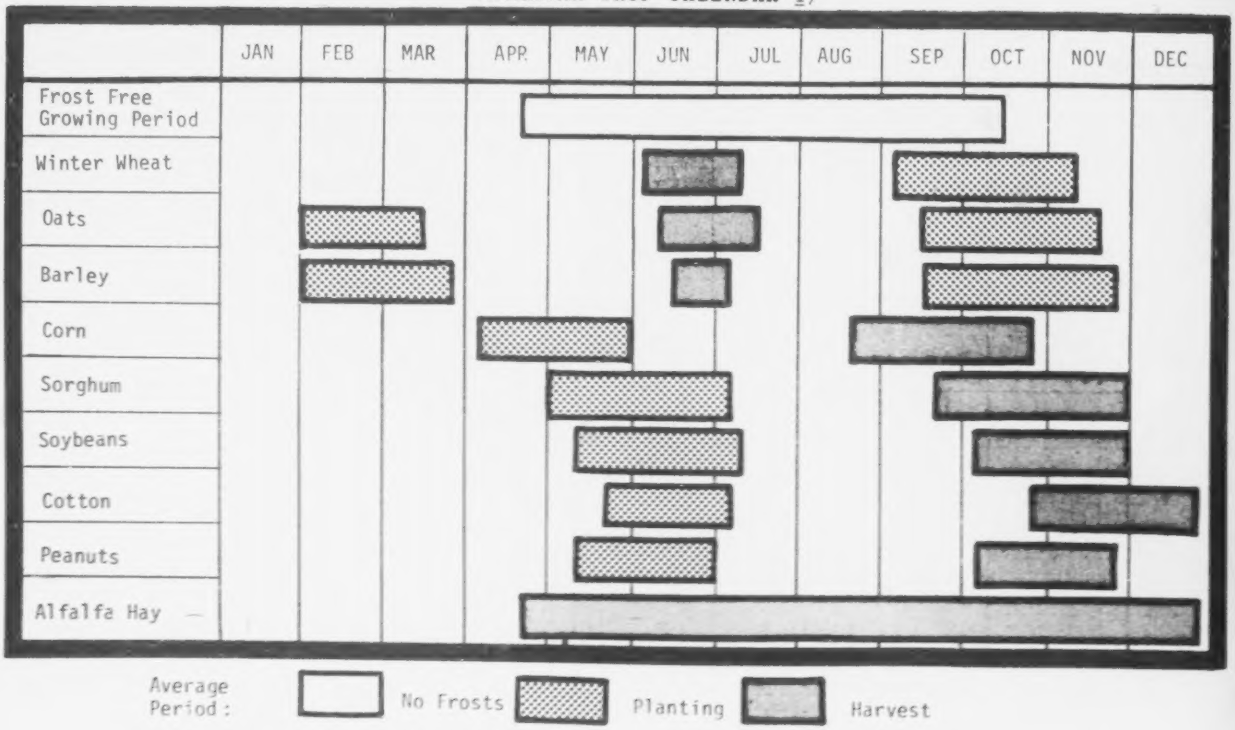
1/ Wheat quality not sampled in the Northeast and East Central districts in 1988.

CROPLAND ACRES PLANTED, 1986-1990 1/



1/ Includes planted acreage for wheat, oats, barley, rye, corn, sorghum, cotton, soybeans, peanuts plus harvested acreage for alfalfa hay.

OKLAHOMA CROP CALENDAR 1/



1/ Relates to period when 5 to 95% of crop is planted or harvested.

IRRIGATED WHEAT COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted For All Purposes	Harvested For Grain	Yield Per Harvested Acre	Production
	-Acres-		-Bushels-	
PANHANDLE				
Beaver	14,000	12,000	45.0	540,000
Cimarron	28,500	22,500	54.2	1,220,000
Ellis	5,600	4,700	33.0	155,000
Harper	2,400	1,800	47.2	85,000
Texas	95,000	91,000	57.1	5,200,000
Total	145,500	132,000	54.5	7,200,000
WEST CENTRAL				
Custer	800	500	46.0	23,000
Roger Mills	600	300	40.0	12,000
Washita	800	600	45.0	27,000
Other Counties	800	400	45.0	18,000
Total	3,000	1,800	44.4	80,000
SOUTHWEST				
Caddo	3,300	2,600	45.8	119,000
Greer	1,300	1,100	45.5	50,000
Harmon	2,000	1,400	47.1	66,000
Jackson	1,000	450	42.2	19,000
Kiowa	800	700	47.1	33,000
Tillman	2,600	2,300	47.8	110,000
Other Counties	500	450	40.0	18,000
Total	11,500	9,000	46.1	415,000
NORTH CENTRAL				
Major	900	800	43.8	35,000
Woods	500	400	40.0	16,000
Woodward	4,400	3,600	42.5	153,000
Other Counties	700	400	40.0	16,000
Total	6,500	5,200	42.3	220,000
CENTRAL				
Canadian	1,000	500	44.0	22,000
Kingfisher	1,000	700	42.9	30,000
Other Counties	800	400	42.5	17,000
Total	2,800	1,600	43.1	69,000
OTHER DISTRICTS				
Total	700	400	40.0	16,000
STATE TOTAL	**170,000**	**150,000**	**53.3**	**8,000,000**

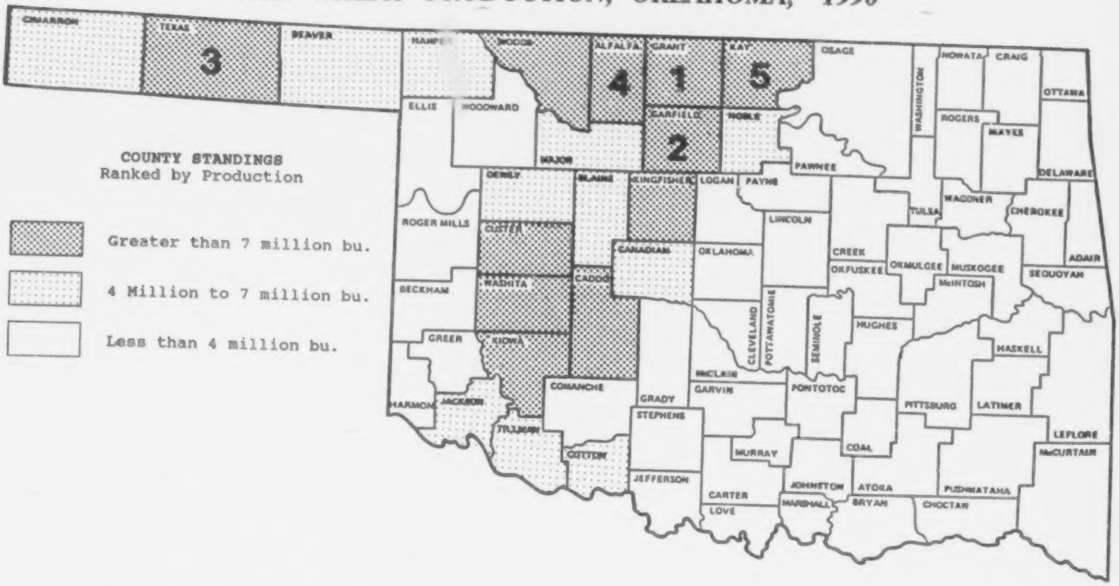
ALL WHEAT COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted For All Purposes	Harvested For Grain	Yield Per Harvested Acre	Production
	-Acres-		-Bushels-	
PANHANDLE				
Beaver	240,000	215,000	32.3	6,950,000
Cimarron	160,000	140,000	32.1	4,500,000
Ellis	110,000	85,000	28.8	2,450,000
Harper	170,000	145,000	35.5	5,150,000
Texas	300,000	290,000	39.5	11,450,000
Total	980,000	875,000	34.9	30,500,000
WEST CENTRAL				
Beckham	120,000	80,000	26.9	2,150,000
Blaine	265,000	230,000	29.6	6,800,000
Custer	280,000	235,000	34.0	8,000,000
Dewey	150,000	125,000	34.0	4,250,000
Roger Mills	75,000	45,000	26.7	1,200,000
Washita	310,000	255,000	31.8	8,100,000
Total	1,200,000	970,000	31.4	30,500,000
SOUTHWEST				
Caddo	270,000	220,000	34.1	7,500,000
Comanche	110,000	85,000	29.4	2,500,000
Cotton	190,000	160,000	31.9	5,100,000
Greer	100,000	85,000	33.5	2,850,000
Harmon	90,000	55,000	23.6	1,300,000
Jackson	260,000	205,000	29.8	6,100,000
Kiowa	280,000	240,000	30.8	7,400,000
Tillman	170,000	150,000	35.0	5,250,000
Total	1,470,000	1,200,000	31.7	38,000,000
NORTH CENTRAL				
Alfalfa	310,000	290,000	37.9	11,000,000
Garfield	440,000	400,000	33.4	13,350,000
Grant	440,000	420,000	33.8	14,200,000
Kay	310,000	295,000	32.9	9,700,000
Major	190,000	165,000	31.2	5,150,000
Noble	170,000	160,000	32.3	5,170,000
Woods	250,000	220,000	34.3	7,550,000
Woodward	140,000	115,000	33.7	3,880,000
Total	2,250,000	2,065,000	33.9	70,000,000
CENTRAL				
Canadian	260,000	210,000	29.2	6,125,000
Cleveland	14,000	9,000	26.1	235,000
Creek	3,000	2,000	22.5	45,000
Grady	110,000	80,000	26.9	2,150,000
Kingfisher	320,000	260,000	28.5	7,400,000
Lincoln	17,000	6,000	21.7	130,000
Logan	110,000	89,000	29.2	2,600,000
McClain	42,000	26,000	28.5	740,000
Okfuskee	8,000	5,000	32.0	160,000
Oklahoma	32,000	23,000	26.1	600,000
Payne	42,000	35,000	27.1	950,000
Pottawatomie	16,000	11,000	22.3	245,000
Seminole	6,000	4,000	30.0	120,000
Total	980,000	760,000	28.3	21,500,000

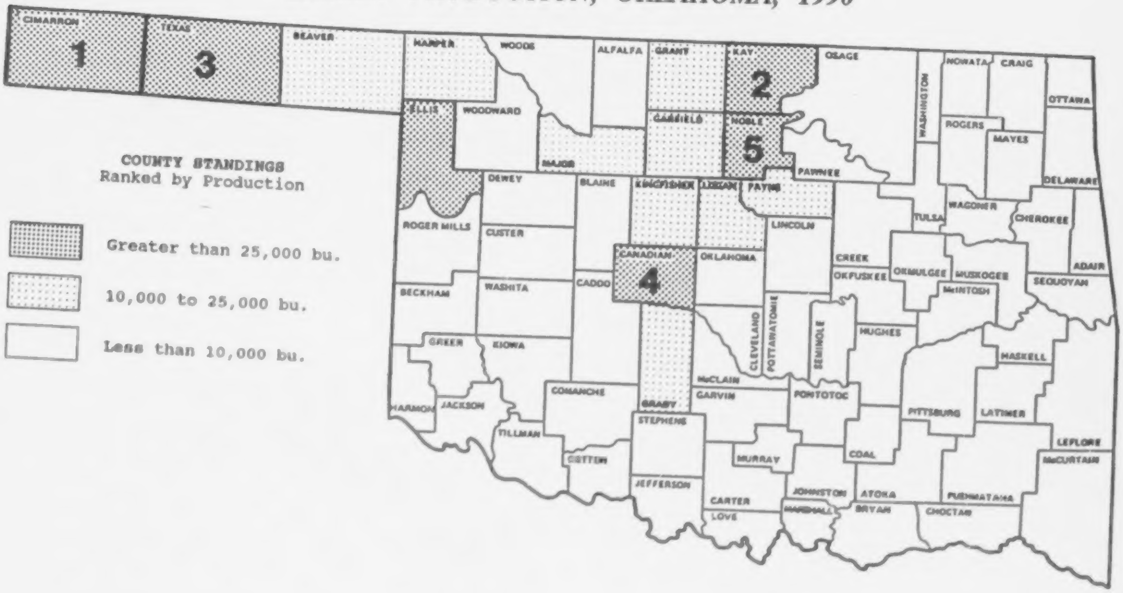
ALL WHEAT COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted For All Purposes	Harvested For Grain	Yield Per Harvested Acre	Production
	-Acres-			-Bushels-
SOUTH CENTRAL				
Atoka	1,200	700	28.6	20,000
Bryan	21,000	13,000	31.5	410,000
Carter	14,000	4,500	30.0	135,000
Coal	2,300	800	31.3	25,000
Garvin	24,000	15,000	24.3	365,000
Jefferson	80,000	42,000	28.1	1,180,000
Johnston	6,000	3,500	20.0	70,000
Love	18,000	7,500	23.3	175,000
Marshall	7,000	4,300	22.1	95,000
Murray	5,000	2,500	18.0	45,000
Pontotoc	3,500	1,200	16.7	20,000
Stephens	68,000	35,000	24.6	860,000
Total	250,000	130,000	26.2	3,400,000
NORTHEAST				
Craig	27,000	26,000	26.5	690,000
Delaware	7,000	6,000	33.3	200,000
Mayes	13,000	11,000	20.9	230,000
Nowata	19,000	16,500	19.4	320,000
Osage	41,000	37,000	25.3	935,000
Ottawa	36,000	33,000	28.5	940,000
Pawnee	32,000	28,500	24.2	690,000
Rogers	18,000	15,500	26.1	405,000
Tulsa	12,000	11,000	30.9	340,000
Wagoner	40,000	37,000	27.0	1,000,000
Washington	15,000	13,500	18.5	250,000
Total	260,000	235,000	25.5	6,000,000
EAST CENTRAL				
Adair	2,000	1,000	27.0	27,000
Cherokee	1,500	300	30.0	9,000
Haskell	5,500	2,700	30.7	83,000
Hughes	10,000	5,000	24.0	120,000
McIntosh	6,500	4,500	23.3	105,000
Muskogee	26,500	17,000	30.4	516,000
Okmulgee	11,000	7,500	20.0	150,000
Pittsburg	5,000	2,000	32.5	65,000
Sequoyah	7,000	5,000	25.0	125,000
Total	75,000	45,000	26.7	1,200,000
SOUTHEAST				
Choctaw	9,500	4,900	33.7	165,000
LeFlore	10,000	4,000	28.8	115,000
McCurtain	14,700	10,500	19.0	200,000
Other Counties	800	600	33.3	20,000
Total	35,000	20,000	25.0	500,000
STATE TOTAL	**7,500,000**	**6,300,000**	**32.0**	**201,600,000**

ALL WHEAT PRODUCTION, OKLAHOMA, 1990



BARLEY PRODUCTION, OKLAHOMA, 1990



BARLEY COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted For All Purposes	Harvested For Grain	Yield Per Harvested Acre	Production
	-Acres-		-Bushels-	
PANHANDLE				
Beaver	800	700	30.0	21,000
Cimarron	2,000	1,900	52.6	100,000
Ellis	800	700	42.9	30,000
Harper	700	600	40.0	24,000
Texas	1,200	1,100	63.6	70,000
Total	5,500	5,000	49.0	245,000
WEST CENTRAL				
Other Counties	1,500	1,200	30.0	36,000
Total	1,500	1,200	30.0	36,000
SOUTHWEST				
Other Counties	1,000	700	34.3	24,000
Total	1,000	700	34.3	24,000
NORTH CENTRAL				
Garfield	600	500	40.0	20,000
Grant	800	650	30.8	20,000
Kay	1,700	1,600	46.9	75,000
Noble	1,200	1,100	42.7	47,000
Other Counties	1,200	950	34.7	33,000
Total	5,500	4,800	40.6	195,000
CENTRAL				
Canadian	1,800	1,500	43.3	65,000
Grady	900	750	30.7	23,000
Kingfisher	600	550	32.7	18,000
Other Counties	1,200	1,000	44.0	44,000
Total	4,500	3,800	39.5	150,000
NORTHEAST				
Other Counties	1,200	900	31.1	28,000
Total	1,200	900	31.1	28,000
OTHER DISTRICTS				
Total	2,000	1,500	31.3	47,000
STATE TOTAL	**20,000**	**17,000**	**41.0**	**697,000**

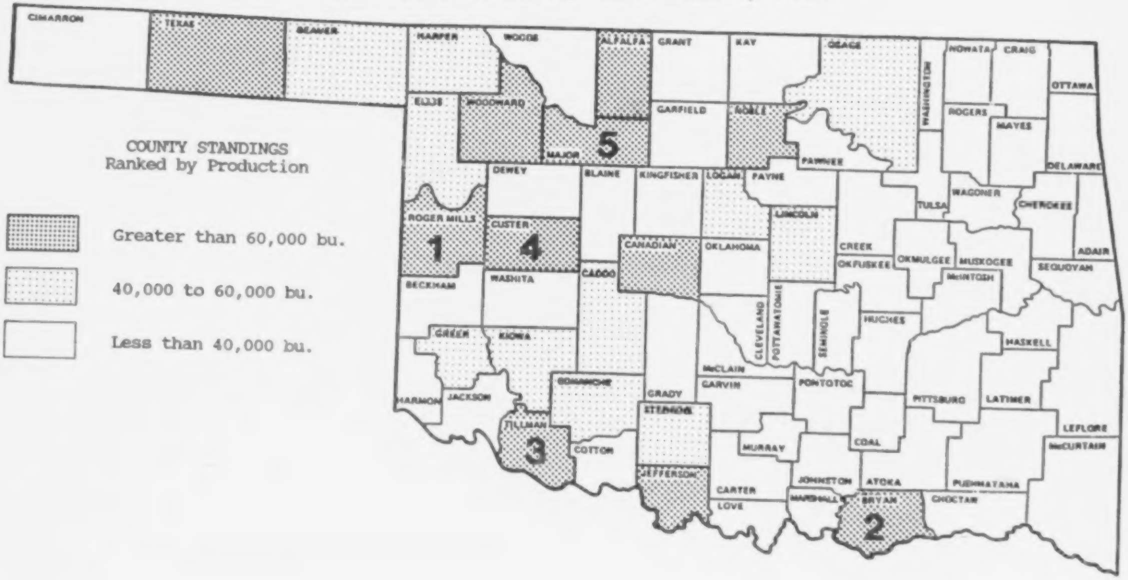
OATS COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted For All Purposes	Harvested For Grain	Yield Per Harvested Acre	Production
	-Acres-		-Bushels-	
PANHANDLE				
Beaver	2,200	1,100	49.1	54,000
Cimarron	500	100	70.0	7,000
Ellis	2,100	1,600	31.3	50,000
Harper	2,500	1,300	30.8	40,000
Texas	1,200	800	81.3	65,000
Total	8,500	4,900	44.1	216,000
WEST CENTRAL				
Beckham	3,000	1,400	27.1	38,000
Blaine	2,000	800	25.0	20,000
Custer	3,000	1,700	48.2	82,000
Dewey	2,800	1,400	20.0	28,000
Roger Mills	3,000	2,100	41.4	87,000
Washita	2,200	1,100	18.2	20,000
Total	16,000	8,500	32.4	275,000
SOUTHWEST				
Caddo	2,600	1,600	37.5	60,000
Comanche	2,000	1,200	37.5	45,000
Cotton	1,100	900	35.6	32,000
Greer	1,400	1,100	38.2	42,000
Harmon	1,600	900	26.7	24,000
Jackson	2,100	1,000	32.0	32,000
Kiowa	2,700	1,500	33.3	50,000
Tillman	2,500	1,800	47.2	85,000
Total	16,000	10,000	37.0	370,000
NORTH CENTRAL				
Alfalfa	2,200	1,100	56.4	62,000
Garfield	900	600	40.0	24,000
Grant	1,000	600	31.7	19,000
Kay	2,000	1,000	32.0	32,000
Major	3,000	2,000	37.5	75,000
Noble	1,500	1,100	59.1	65,000
Woods	1,900	900	31.1	28,000
Woodward	5,500	2,700	24.1	65,000
Total	18,000	10,000	37.0	370,000
CENTRAL				
Canadian	1,900	1,500	43.3	65,000
Cleveland	600	450	37.8	17,000
Grady	1,700	1,100	30.9	34,000
Kingfisher	2,000	1,000	39.0	39,000
Lincoln	1,700	1,200	43.3	52,000
Logan	1,500	1,200	37.5	45,000
McClain	1,200	800	45.0	36,000
Oklahoma	1,100	900	37.8	34,000
Payne	500	300	28.3	8,500
Pottawatomie	900	500	26.0	13,000
Other Counties	900	550	30.0	16,500
Total	14,000	9,500	37.9	360,000

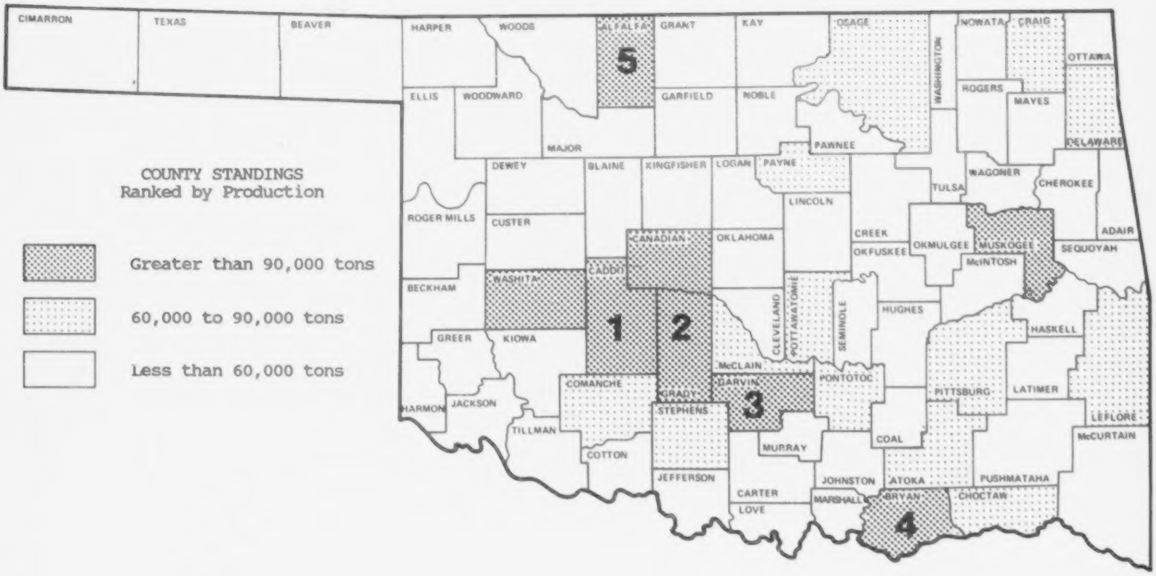
OATS COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted For All Purposes	Harvested For Grain	Yield Per Harvested Acre	Production
	-Acres-		-Bushels-	
SOUTH CENTRAL				
Bryan	3,300	2,300	37.8	87,000
Carter	700	400	42.5	17,000
Garvin	1,700	800	40.0	32,000
Jefferson	2,100	1,400	50.0	70,000
Johnston	800	400	40.0	16,000
Love	1,000	600	43.3	26,000
Marshall	1,900	300	36.7	11,000
Murray	700	600	38.3	23,000
Pontotoc	600	400	37.5	15,000
Stephens	1,700	1,000	46.0	46,000
Other Counties	500	400	42.5	17,000
Total	15,000	8,600	41.9	360,000
NORTHEAST				
Craig	800	700	37.1	26,000
Mayes	700	500	40.0	20,000
Nowata	1,500	900	38.9	35,000
Osage	1,500	1,200	45.8	55,000
Ottawa	700	600	35.0	21,000
Rogers	800	600	36.7	22,000
Washington	600	500	50.0	25,000
Other Counties	1,400	1,100	41.8	46,000
Total	8,000	6,100	41.0	250,000
EAST CENTRAL				
Haskell	600	300	26.7	8,000
McIntosh	700	400	40.0	16,000
Muskogee	1,000	700	28.6	20,000
Other Counties	1,200	500	34.0	17,000
Total	3,500	1,900	32.1	61,000
SOUTHEAST				
Other Counties	1,000	500	36.0	18,000
Total	1,000	500	36.0	18,000
STATE TOTAL	**100,000**	**60,000**	**38.0**	**2,280,000**

OAT PRODUCTION, OKLAHOMA, 1990



ALL HAY PRODUCTION, OKLAHOMA, 1990



ALL HAY COUNTY ESTIMATES, OKLAHOMA, 1990

Dist./Co.	Harv	Yield	Prod
	-Acres-	-Tons-	
PANHANDLE			
Beaver	17,000	2.12	36,000
Cimarron	11,000	3.00	33,000
Ellis	14,000	2.14	30,000
Harper	14,000	1.86	26,000
Texas	14,000	3.21	45,000
Total	70,000	2.43	170,000
WEST CENTRAL			
Beckham	24,000	2.08	50,000
Blaine	30,000	1.57	47,000
Custer	25,000	2.12	53,000
Dewey	16,000	2.19	35,000
Roger Mills	21,000	2.29	48,000
Washita	34,000	2.71	92,000
Total	150,000	2.17	325,000
SOUTHWEST			
Caddo	62,000	2.37	147,000
Comanche	26,000	2.35	61,000
Cotton	11,000	2.36	26,000
Greer	17,500	2.46	43,000
Harmon	8,000	2.13	17,000
Jackson	14,000	2.07	29,000
Kiowa	21,000	2.88	60,500
Tillman	15,500	2.35	36,500
Total	175,000	2.40	420,000
NORTH CENTRAL			
Alfalfa	41,000	2.63	108,000
Garfield	26,000	2.04	53,000
Grant	19,500	1.85	36,000
Kay	32,000	1.72	55,000
Major	18,000	2.42	43,500
Noble	22,500	1.82	41,000
Woods	15,000	1.53	23,000
Woodward	21,000	1.93	40,500
Total	195,000	2.05	400,000
CENTRAL			
Canadian	42,000	2.31	97,000
Cleveland	23,000	1.96	45,000
Creek	16,000	1.31	21,000
Grady	45,000	3.11	140,000
Kingfisher	27,000	1.89	51,000
Lincoln	29,000	1.76	51,000
Logan	20,000	1.85	37,000
McClain	33,000	2.55	84,000
Okfuskee	24,000	1.17	28,000
Oklahoma	13,000	1.46	19,000
Payne	28,000	2.29	64,000
Pottawatomie	36,000	2.19	79,000
Seminole	14,000	1.71	24,000
Total	350,000	2.11	740,000
SOUTH CENTRAL			
Atoka	41,000	1.56	64,000
Bryan	64,000	1.92	123,000
Carter	16,000	1.50	24,000
Coal	40,000	1.48	59,000
Garvin	45,000	2.84	128,000
Jefferson	9,000	1.83	16,500
Johnston	28,000	1.34	37,500
Love	19,000	1.66	31,500
Marshall	8,000	1.69	13,500
Murray	17,000	2.71	46,000
Pontotoc	38,000	2.16	82,000
Stephens	30,000	2.17	65,000
Total	355,000	1.94	690,000
NORTHEAST			
Craig	51,000	1.41	72,000
Delaware	41,000	1.46	60,000
Mayes	34,000	1.41	48,000
Nowata	32,000	1.44	46,000
Osage	35,000	1.89	66,000
Ottawa	37,000	1.51	56,000
Pawnee	15,000	1.60	24,000
Rogers	33,000	1.30	43,000
Tulsa	12,000	1.29	15,500
Wagoner	33,000	1.33	44,000
Washington	17,000	1.50	25,500
Total	340,000	1.47	500,000
EAST CENTRAL			
Adair	27,000	1.35	36,500
Cherokee	31,000	1.35	42,000
Haskell	39,500	1.37	54,000
Hughes	18,500	1.24	23,000
McIntosh	28,000	1.36	38,000
Muskogee	61,000	1.56	95,000
Okmulgee	23,500	0.98	23,000
Pittsburg	56,500	1.43	81,000
Sequoyah	20,000	1.13	22,500
Total	305,000	1.36	415,000
SOUTHEAST			
Choctaw	35,000	2.26	79,000
Latimer	26,000	1.31	34,000
LeFlore	54,000	1.37	74,000
McCurtain	36,000	1.50	54,000
Pushmataha	39,000	0.64	25,000
Total	190,000	1.40	266,000
STATE TOTAL	2,130,000	1.84	3,926,000

ALFALFA HAY COUNTY ESTIMATES, OKLAHOMA, 1990

Dist./Co.	Harv	Yield	Prod
	-Acres-	-T o n s-	
PANHANDLE			
Beaver	4,000	4.00	16,000
Cimarron	4,000	4.75	19,000
Ellis	3,000	5.33	16,000
Harper	4,000	3.50	14,000
Texas	5,000	6.00	30,000
Total	20,000	4.75	95,000
WEST CENTRAL			
Beckham	8,000	3.63	29,000
Blaine	5,500	3.27	18,000
Custer	7,500	3.53	26,500
Dewey	3,500	3.14	11,000
Roger Mills	6,500	4.08	26,500
Washita	15,000	3.93	59,000
Total	46,000	3.70	170,000
SOUTHWEST			
Caddo	16,000	3.50	56,000
Comanche	8,000	2.94	23,500
Cotton	2,000	2.50	5,000
Greer	12,500	2.88	36,000
Harmon	3,000	3.33	10,000
Jackson	4,000	3.88	15,500
Kiowa	11,000	4.00	44,000
Tillman	8,500	2.94	25,000
Total	65,000	3.31	215,000
NORTH CENTRAL			
Alfalfa	33,000	2.82	93,000
Garfield	8,500	2.59	22,000
Grant	11,000	2.32	25,500
Kay	12,000	2.58	31,000
Major	6,500	3.54	23,000
Noble	8,500	2.88	24,500
Woods	7,000	1.71	12,000
Woodward	8,500	2.24	19,000
Total	95,000	2.63	250,000
CENTRAL			
Canadian	10,000	3.60	36,000
Cleveland	4,000	2.75	11,000
Creek	2,000	2.50	5,000
Grady	28,000	3.57	100,000
Kingfisher	9,500	2.63	25,000
Lincoln	8,000	2.00	16,000
Logan	4,000	3.00	12,000
McClain	16,000	3.56	57,000
Okfuskee	1,500	2.67	4,000
Oklahoma	3,500	1.71	6,000
Payne	9,500	3.68	35,000
Pottawatomie	12,000	3.25	39,000
Seminole	2,000	2.00	4,000
Total	110,000	3.18	350,000

Dist./Co.	Harv	Yield	Prod
	-Acres-	-T o n s-	
SOUTH CENTRAL			
Atoka	1,000	2.00	2,000
Bryan	4,000	3.50	14,000
Carter	1,500	2.00	3,000
Coal	1,000	2.00	2,000
Garvin	23,000	3.78	87,000
Jefferson	200	2.50	500
Johnston	800	1.88	1,500
Love	700	3.57	2,500
Marshall	800	2.50	2,000
Murray	6,000	3.25	19,500
Pontotoc	4,000	3.25	13,000
Stephens	7,000	3.29	23,000
Total	50,000	3.40	170,000
NORTHEAST			
Craig	800	2.50	2,000
Delaware	1,500	1.67	2,500
Mayes	2,200	2.05	4,500
Nowata	2,000	2.75	5,500
Osage	8,000	3.50	28,000
Ottawa	1,000	2.50	2,500
Pawnee	4,000	2.25	9,000
Rogers	1,500	2.00	3,000
Tulsa	1,500	2.00	3,000
Wagoner	4,500	2.44	11,000
Washington	2,000	2.50	5,000
Total	29,000	2.62	76,000
EAST CENTRAL			
Adair	500	3.00	1,500
Cherokee	700	3.57	2,500
Haskell	1,200	2.92	3,500
Hughes	2,000	3.25	6,500
McIntosh	500	2.00	1,000
Muskogee	4,000	3.38	13,500
Okmulgee	500	2.40	1,200
Pittsburg	300	2.67	800
Sequoyah	800	1.88	1,500
Total	10,500	3.05	32,000
SOUTHEAST			
Choctaw	1,000	5.50	5,500
Latimer	200	4.00	800
LeFlore	2,000	3.75	7,500
McCurtain	1,000	3.00	3,000
Pushmataha	300	4.00	1,200
Total	4,500	4.00	18,000
STATE TOTAL	430,000	3.20	1,376,000

ALL OTHER HAY COUNTY ESTIMATES, OKLAHOMA, 1990

Dist./Co.	Harv	Yield	Prod
	-Acres-	-Tons-	
PANHANDLE			
Beaver	13,000	1.54	20,000
Cimarron	7,000	2.00	14,000
Ellis	11,000	1.27	14,000
Harper	10,000	1.20	12,000
Texas	9,000	1.67	15,000
Total	50,000	1.50	75,000
WEST CENTRAL			
Beckham	16,000	1.31	21,000
Blaine	24,500	1.18	29,000
Custer	17,500	1.51	26,500
Dewey	12,500	1.92	24,000
Roger Mills	14,500	1.48	21,500
Washita	19,000	1.74	33,000
Total	104,000	1.49	155,000
SOUTHWEST			
Caddo	46,000	1.98	91,000
Comanche	18,000	2.08	37,500
Cotton	9,000	2.33	21,000
Greer	5,000	1.40	7,000
Harmon	5,000	1.40	7,000
Jackson	10,000	1.35	13,500
Kiowa	10,000	1.65	16,500
Tillman	7,000	1.64	11,500
Total	110,000	1.86	205,000
NORTH CENTRAL			
Alfalfa	8,000	1.88	15,000
Garfield	17,500	1.77	31,000
Grant	8,500	1.24	10,500
Kay	20,000	1.20	24,000
Major	11,500	1.78	20,500
Noble	14,000	1.18	16,500
Woods	8,000	1.38	11,000
Woodward	12,500	1.72	21,500
Total	100,000	1.50	150,000
CENTRAL			
Canadian	32,000	1.91	61,000
Cleveland	19,000	1.79	34,000
Creek	14,000	1.14	16,000
Grady	17,000	2.35	40,000
Kingfisher	17,500	1.49	26,000
Lincoln	21,000	1.67	35,000
Logan	16,000	1.56	25,000
McClain	17,000	1.59	27,000
Okfuskee	22,500	1.07	24,000
Oklahoma	9,500	1.37	13,000
Payne	18,500	1.57	29,000
Pottawatomie	24,000	1.67	40,000
Seminole	12,000	1.67	20,000
Total	240,000	1.63	390,000

Dist./Co.	Harv	Yield	Prod
	-Acres-	-Tons-	
SOUTH CENTRAL			
Atoka	40,000	1.55	62,000
Bryan	60,000	1.82	109,000
Carter	14,500	1.45	21,000
Coal	39,000	1.46	57,000
Garvin	22,000	1.86	41,000
Jefferson	8,800	1.82	16,000
Johnston	27,200	1.32	36,000
Love	18,300	1.58	29,000
Marshall	7,200	1.60	11,500
Murray	11,000	2.41	26,500
Pontotoc	34,000	2.03	69,000
Stephens	23,000	1.83	42,000
Total	305,000	1.70	520,000
NORTHEAST			
Craig	50,200	1.39	70,000
Delaware	39,500	1.46	57,500
Mayes	31,800	1.37	43,500
Nowata	30,000	1.35	40,500
Osage	27,000	1.41	38,000
Ottawa	36,000	1.49	53,500
Pawnee	11,000	1.36	15,000
Rogers	31,500	1.27	40,000
Tulsa	10,500	1.19	12,500
Wagoner	28,500	1.16	33,000
Washington	15,000	1.37	20,500
Total	311,000	1.36	424,000
EAST CENTRAL			
Adair	26,500	1.32	35,000
Cherokee	30,300	1.30	39,500
Haskell	38,300	1.32	50,500
Hughes	16,500	1.00	16,500
McIntosh	27,500	1.35	37,000
Muskogee	57,000	1.43	81,500
Okmulgee	23,000	0.95	21,800
Pittsburg	56,200	1.43	80,200
Sequoyah	19,200	1.09	21,000
Total	294,500	1.30	383,000
SOUTHEAST			
Choctaw	34,000	2.16	73,500
Latimer	25,800	1.29	33,200
LeFlore	52,000	1.28	66,500
McCurtain	35,000	1.46	51,000
Pushmataha	38,700	0.61	23,800
Total	185,500	1.34	248,000
STATE TOTAL	1,700,000	1.50	2,550,000

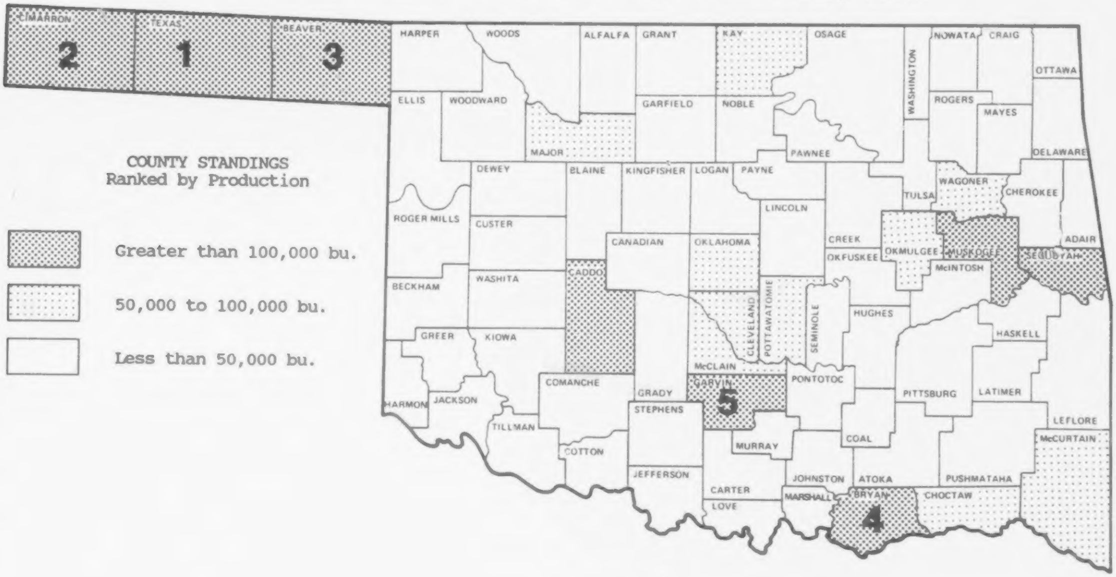
ALL CORN COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted For All Purposes	Harvested For Grain	Yield Per Harvested Acre	Production
	-Acres-		-Bushels-	
PANHANDLE				
Beaver	1,600	1,200	150.0	180,000
Cimarron	11,400	8,500	117.6	1,000,000
Texas	50,000	46,000	146.3	6,730,000
Other Counties	1,000	800	112.5	90,000
Total	64,000	56,500	141.6	8,000,000
WEST CENTRAL				
Beckham	600	550	32.7	18,000
Custer	800	150	86.7	13,000
Washita	500	500	32.0	16,000
Other Counties	600	200	40.0	8,000
Total	2,500	1,400	39.3	55,000
SOUTHWEST				
Caddo	1,700	1,500	100.0	150,000
Other Counties	800	600	58.3	35,000
Total	2,500	2,100	88.1	185,000
NORTH CENTRAL				
Grant	700	600	46.7	28,000
Kay	1,200	700	71.4	50,000
Major	2,000	1,200	79.2	95,000
Other Counties	600	500	44.0	22,000
Total	4,500	3,000	65.0	195,000
CENTRAL				
Canadian	600	300	63.3	19,000
Cleveland	1,100	900	77.8	70,000
Grady	1,600	450	77.8	35,000
McClain	1,000	900	88.9	80,000
Oklahoma	1,100	1,000	55.0	55,000
Pottawatomie	1,400	1,200	70.8	85,000
Other Counties	1,200	750	48.0	36,000
Total	8,000	5,500	69.1	380,000
SOUTH CENTRAL				
Bryan	2,500	2,300	76.1	175,000
Carter	650	550	87.3	48,000
Garvin	2,400	2,000	85.0	170,000
Marshall	700	600	41.7	25,000
Murray	700	450	40.0	18,000
Other Counties	1,050	800	55.0	44,000
Total	8,000	6,700	71.6	480,000
NORTHEAST				
Mayes	800	450	73.3	33,000
Wagoner	900	800	87.5	70,000
Other Counties	2,100	1,750	66.9	117,000
Total	3,800	3,000	73.3	220,000

ALL CORN COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted For All Purposes	Harvested For Grain	Yield Per Harvested Acre	Production
	-Acres-		-Bushels-	
EAST CENTRAL				
Hughes	500	200	50.0	10,000
Muskogee	2,800	2,600	63.5	165,000
Okmulgee	1,600	1,600	31.3	50,000
Pittsburg	550	500	50.0	25,000
Sequoyah	1,800	1,600	75.0	120,000
Other Counties	750	400	50.0	20,000
Total	8,000	6,900	56.5	390,000
SOUTHEAST				
Choctaw	2,100	1,500	33.3	50,000
McCurtain	1,400	1,350	54.8	74,000
Other Counties	200	50	60.0	3,000
Total	3,700	2,900	43.8	127,000
STATE TOTAL	**105,000**	**88,000**	**114.0**	**10,032,000**

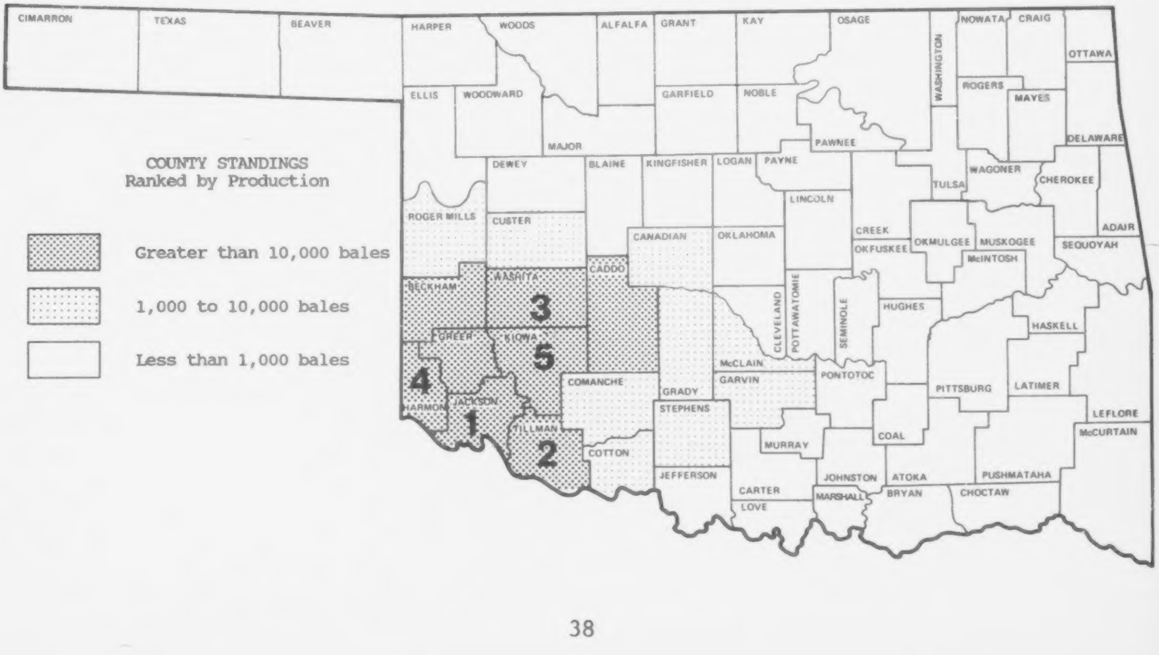
CORN FOR GRAIN PRODUCTION, OKLAHOMA, 1990



IRRIGATED COTTON COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted	Harvested	Yield Per Harvested Acre	Production
	-Acres-		-Lbs-	-Bales-
WEST CENTRAL				
Custer	400	400	756	630
Roger Mills	200	200	672	280
Washita	2,100	2,050	592	2,530
Other Counties	300	300	576	360
Total	3,000	2,950	618	3,800
SOUTHWEST				
Caddo	4,300	4,150	639	5,525
Comanche	200	200	720	300
Greer	4,200	4,150	723	6,250
Harmon	16,000	15,900	793	26,280
Jackson	48,000	47,600	961	95,250
Kiowa	800	750	845	1,320
Tillman	8,000	7,850	738	12,075
Total	81,500	80,600	875	147,000
CENTRAL				
Other Counties	400	350	617	450
Total	400	350	617	450
SOUTH CENTRAL				
Other Counties	100	100	720	150
Total	100	100	720	150
STATE TOTAL	**85,000**	**84,000**	**865**	**151,400**

ALL COTTON PRODUCTION, OKLAHOMA, 1990



ALL COTTON COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted	Harvested	Yield Per Harvested Acre	Production
	-Acres-		-Lbs-	-Bales-
WEST CENTRAL				
Beckham	20,000	19,000	331	13,100
Custer	6,700	6,600	635	8,730
Roger Mills	2,800	2,750	471	2,700
Washita	43,300	43,100	411	36,900
Other Counties	700	650	421	570
Total	73,500	72,100	413	62,000
SOUTHWEST				
Caddo	17,300	16,500	443	15,225
Comanche	7,000	6,200	297	3,830
Cotton	10,900	10,100	353	7,420
Greer	15,000	14,900	456	14,170
Harmon	24,700	24,200	711	35,830
Jackson	56,200	55,800	876	101,820
Kiowa	43,500	43,000	346	31,020
Tillman	112,400	108,300	407	91,785
Total	287,000	279,000	518	301,100
CENTRAL				
Canadian	2,600	2,500	436	2,270
Grady	5,300	5,200	489	5,300
McClain	5,700	5,600	476	5,550
Other Counties	200	200	432	180
Total	13,800	13,500	473	13,300
SOUTH CENTRAL				
Garvin	2,300	2,200	573	2,625
Stephens	2,100	2,050	473	2,020
Other Counties	1,200	1,050	391	855
Total	5,600	5,300	498	5,500
OTHER DISTRICTS				
Total	100	100	480	100
STATE TOTAL	**380,000**	**370,000**	**496**	**382,000**

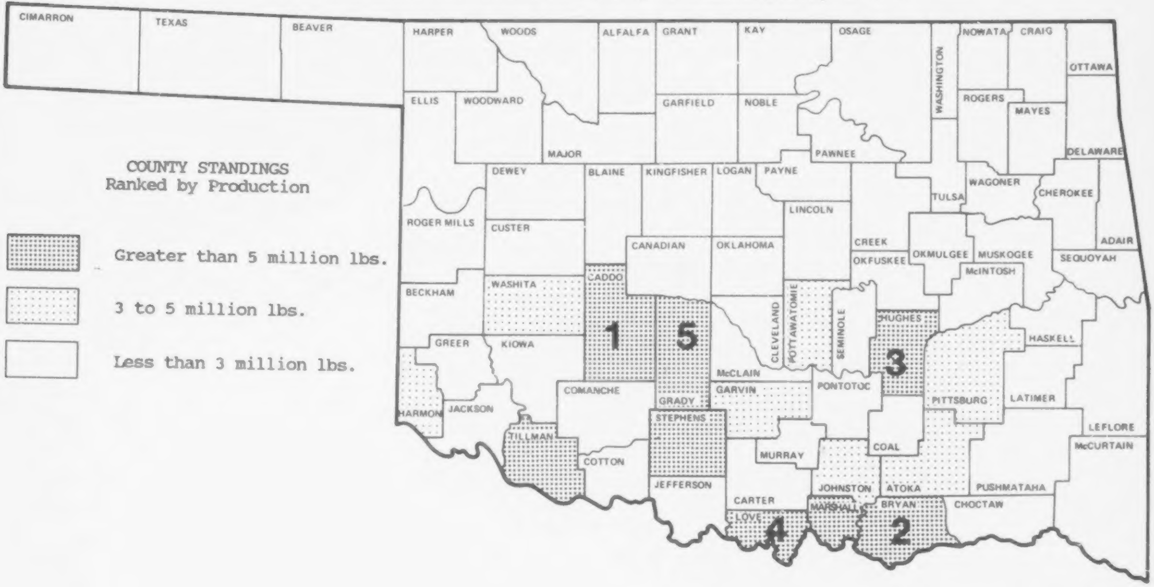
IRRIGATED PEANUT COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted	Harvested	Yield Per Harvested Acre	Production
	-Acres-		-Pounds-	
WEST CENTRAL				
Beckham	650	650	3,210	2,085,000
Custer	500	500	3,500	1,750,000
Washita	800	800	3,750	3,000,000
Other Counties	200	200	3,925	785,000
Total	2,150	2,150	3,545	7,620,000
SOUTHWEST				
Caddo	33,000	33,000	3,220	106,210,000
Comanche	850	800	2,815	2,250,000
Harmon	600	500	2,500	1,250,000
Tillman	1,900	1,800	2,900	5,220,000
Other Counties	750	700	2,545	1,780,000
Total	37,100	36,800	3,170	116,710,000
CENTRAL				
Grady	2,150	2,150	2,555	5,490,000
Okfuskee	1,200	1,200	1,140	1,370,000
Pottawatomie	3,400	3,400	1,265	4,300,000
Seminole	550	550	1,235	680,000
Other Counties	300	300	2,465	740,000
Total	7,600	7,600	1,655	12,580,000
SOUTH CENTRAL				
Atoka	1,000	950	2,620	2,490,000
Bryan	11,100	11,100	1,390	15,410,000
Carter	500	500	2,640	1,320,000
Garvin	600	600	3,765	2,260,000
Johnston	750	700	2,500	1,750,000
Love	3,050	3,050	3,445	10,500,000
Marshall	1,750	1,700	2,300	3,910,000
Stephens	1,500	1,500	3,135	4,700,000
Other Counties	150	150	3,335	500,000
Total	20,400	20,250	2,115	42,840,000
EAST CENTRAL				
Hughes	6,300	6,250	2,150	13,450,000
Other Counties	450	450	1,780	800,000
Total	6,750	6,700	2,125	14,250,000
STATE TOTAL	**74,000**	**73,500**	**2,640**	**194,000,000**

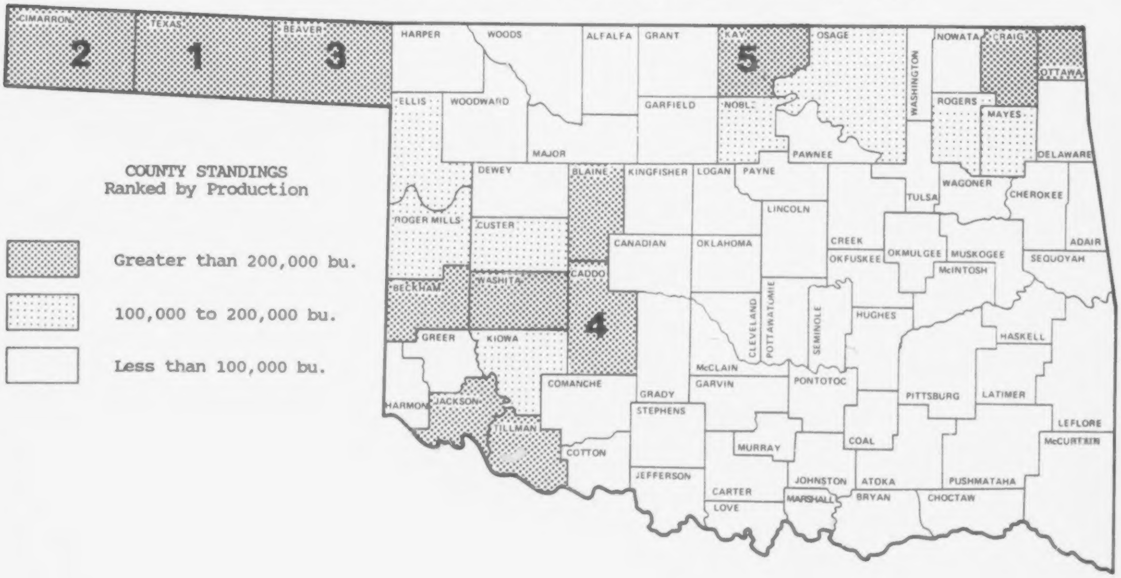
ALL PEANUT COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted	Harvested	Yield Per Harvested Acre	Production
	-Acres-		-Pounds-	
WEST CENTRAL				
Beckham	750	750	3,065	2,300,000
Custer	600	600	3,350	2,010,000
Washita	900	900	3,600	3,240,000
Other Counties	250	250	3,600	900,000
Total	2,500	2,500	3,380	8,450,000
SOUTHWEST				
Caddo	35,300	35,300	3,155	111,430,000
Comanche	1,100	1,050	2,780	2,920,000
Harmon	1,400	1,300	2,460	3,200,000
Jackson	800	750	2,160	1,620,000
Tillman	2,100	2,000	2,845	5,690,000
Other Counties	600	500	2,440	1,220,000
Total	41,300	40,900	3,085	126,080,000
CENTRAL				
Grady	2,800	2,800	2,285	6,395,000
McClain	800	800	2,280	1,825,000
Okfuskee	2,000	1,950	1,045	2,040,000
Pottawatomie	4,100	4,050	1,215	4,925,000
Seminole	800	800	1,125	900,000
Other Counties	1,500	1,500	1,470	2,205,000
Total	12,000	11,900	1,535	18,290,000
SOUTH CENTRAL				
Atoka	3,400	3,350	1,460	4,885,000
Bryan	16,600	16,550	1,155	19,140,000
Carter	850	850	1,870	1,590,000
Garvin	1,200	1,200	2,965	3,555,000
Johnston	2,900	2,850	1,715	4,890,000
Love	5,800	5,800	2,150	12,470,000
Marshall	3,100	3,050	1,660	5,070,000
Stephens	2,200	2,200	2,410	5,300,000
Other Counties	750	750	1,815	1,360,000
Total	36,800	36,600	1,590	58,260,000
EAST CENTRAL				
Hughes	7,800	7,700	2,010	15,480,000
McIntosh	1,200	1,200	1,755	2,105,000
Okmulgee	2,000	1,950	770	1,500,000
Pittsburg	2,600	2,550	1,720	4,385,000
Other Counties	300	300	1,635	490,000
Total	13,900	13,700	1,750	23,960,000
SOUTHEAST				
Other Counties	500	400	700	280,000
Total	500	400	700	280,000
STATE TOTAL	**107,000**	**106,000**	**2,220**	**235,320,000**

ALL PEANUT PRODUCTION, OKLAHOMA, 1990



GRAIN SORGHUM PRODUCTION, OKLAHOMA, 1990



IRRIGATED SORGHUM COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted For All Purposes	Harvested For Grain	Yield Per Harvested Acre	Productio
	-Acres-		-Bushels-	
PANHANDLE				
Beaver	10,000	10,000	80.0	800,000
Cimarron	17,000	16,900	82.8	1,400,000
Ellis	1,000	900	77.8	70,000
Harper	1,000	900	66.7	60,000
Texas	31,000	30,800	84.4	2,600,000
Total	60,000	59,500	82.9	4,930,000
WEST CENTRAL				
Custer	500	450	77.8	35,000
Other Counties	1,000	850	52.9	45,000
Total	1,500	1,300	61.5	80,000
SOUTHWEST				
Caddo	3,500	3,300	68.2	225,000
Tillman	600	600	80.0	48,000
Other Counties	900	800	58.8	47,000
Total	5,000	4,700	68.1	320,000
NORTH CENTRAL				
Woodward	500	450	55.6	25,000
Other Counties	500	450	55.6	25,000
Total	1,000	900	55.6	50,000
CENTRAL				
Canadian	800	350	94.3	33,000
Other Counties	200	150	80.0	12,000
Total	1,000	500	90.0	45,000
OTHER DISTRICTS				
Total	1,500	1,100	68.2	75,000
STATE TOTAL	**70,000**	**68,000**	**80.9**	**5,500,000**

ALL SORGHUM COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted For All Purposes	Harvested For Grain	Yield Per Harvested Acre	Production
	-Acres-		-Bushels-	
PANHANDLE				
Beaver	35,000	34,000	41.2	1,400,000
Cimarron	81,000	79,500	42.8	3,400,000
Ellis	5,000	4,500	34.4	155,000
Harper	3,000	2,500	38.0	95,000
Texas	91,000	89,500	44.7	4,000,000
Total	215,000	210,000	43.1	9,050,000
WEST CENTRAL				
Beckham	5,000	3,500	67.1	235,000
Blaine	5,500	5,000	42.0	210,000
Custer	4,500	4,000	50.0	200,000
Dewey	2,000	1,500	26.7	40,000
Roger Mills	5,500	4,000	36.3	145,000
Washita	5,500	5,000	44.0	220,000
Total	28,000	23,000	45.7	1,050,000
SOUTHWEST				
Caddo	15,500	14,500	48.3	700,000
Comanche	2,500	2,000	35.0	70,000
Cotton	2,500	2,000	37.5	75,000
Greer	1,500	1,200	33.3	40,000
Harmon	2,000	1,500	33.3	50,000
Jackson	5,000	4,500	56.7	255,000
Kiowa	4,500	4,000	41.3	165,000
Tillman	6,500	6,300	38.9	245,000
Total	40,000	36,000	44.4	1,600,000
NORTH CENTRAL				
Alfalfa	1,000	600	25.0	15,000
Garfield	1,800	1,500	40.0	60,000
Grant	4,000	3,100	24.2	75,000
Kay	18,300	16,500	39.7	655,000
Major	1,200	800	43.8	35,000
Noble	5,500	5,000	34.0	170,000
Woods	700	500	40.0	20,000
Woodward	2,500	2,000	35.0	70,000
Total	35,000	30,000	36.7	1,100,000
CENTRAL				
Canadian	1,500	650	69.2	45,000
Creek	500	350	40.0	14,000
Grady	1,500	1,100	40.9	45,000
Lincoln	700	500	38.0	19,000
Logan	700	500	48.0	24,000
McClain	700	400	35.0	14,000
Okfuskee	500	300	40.0	12,000
Oklahoma	1,100	700	42.9	30,000
Payne	1,000	900	44.4	40,000
Pottawatomie	1,100	800	43.8	35,000
Seminole	800	350	34.3	12,000
Other Counties	900	450	44.4	20,000
Total	11,000	7,000	44.3	310,000

ALL SORGHUM COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted For All Purposes	Harvested For Grain	Yield Per Harvested Acre	Production
	-Acres-		-Bushels-	
SOUTH CENTRAL				
Bryan	3,000	2,000	42.5	85,000
Carter	600	400	47.5	19,000
Coal	900	550	54.5	30,000
Garvin	1,100	800	62.5	50,000
Johnston	700	500	52.0	26,000
Marshall	1,200	900	38.9	35,000
Murray	500	250	42.0	10,500
Stephens	800	700	34.3	24,000
Other Counties	1,200	900	45.0	40,500
Total	10,000	7,000	45.7	320,000
NORTHEAST				
Craig	9,300	9,200	56.0	515,000
Mayes	3,000	2,900	51.7	150,000
Nowata	2,000	2,000	42.5	85,000
Osage	3,500	3,100	50.0	155,000
Ottawa	7,000	6,800	55.9	380,000
Pawnee	1,200	1,100	40.9	45,000
Rogers	1,800	1,800	63.9	115,000
Wagoner	1,100	950	45.3	43,000
Washington	2,000	1,200	50.0	60,000
Other Counties	1,100	950	44.2	42,000
Total	32,000	30,000	53.0	1,590,000
EAST CENTRAL				
Hughes	1,200	1,100	50.0	55,000
McIntosh	900	500	70.0	35,000
Muskogee	2,000	1,900	47.4	90,000
Okmulgee	700	600	46.7	28,000
Other Counties	700	400	55.0	22,000
Total	5,500	4,500	51.1	230,000
SOUTHEAST				
LeFlore	500	200	75.0	15,000
McCurtain	2,100	1,600	59.4	95,000
Other Counties	900	700	57.1	40,000
Total	3,500	2,500	60.0	150,000
STATE TOTAL	380,000	350,000	44.0	15,400,000

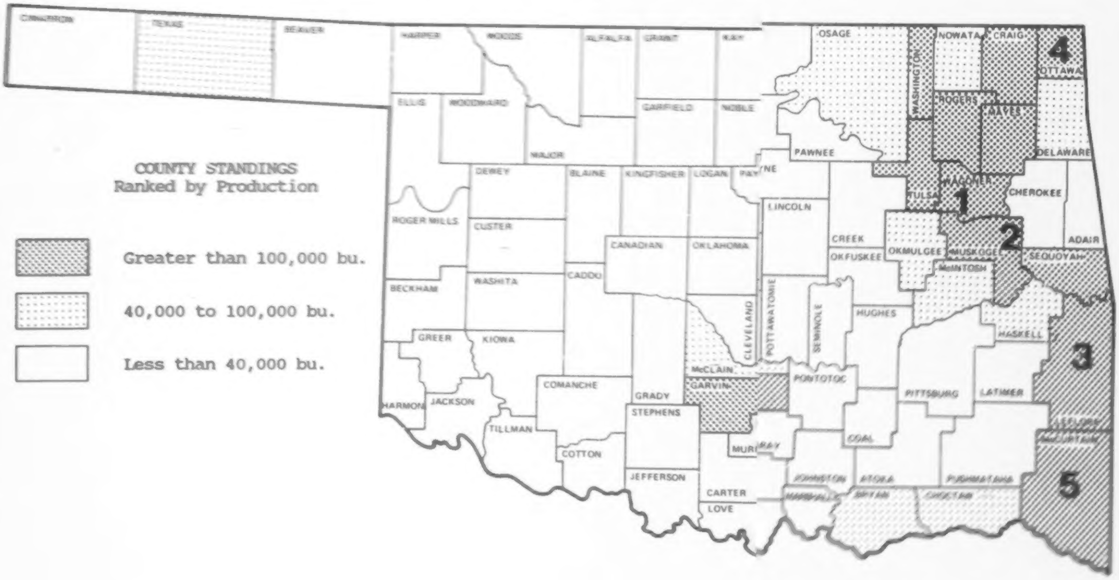
SOYBEAN COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted For All Purposes	Harvested For Grain	Yield Per Harvested Acre	Production
	-Acres-		-Bushels-	
PANHANDLE				
Texas	1,400	1,200	38.8	46,500
Other Counties	100	100	38.0	3,800
Total	1,500	1,300	38.7	50,300
WEST CENTRAL				
Custer	500	400	19.8	7,900
Other Counties	100	100	18.0	1,800
Total	600	500	19.4	9,700
SOUTHWEST				
Caddo	600	550	26.9	14,800
Other Counties	700	450	26.9	12,100
Total	1,300	1,000	26.9	26,900
NORTH CENTRAL				
Kay	600	450	24.4	11,000
Major	800	450	24.4	11,000
Other Counties	200	100	24.0	2,400
Total	1,600	1,000	24.4	24,400
CENTRAL				
Canadian	1,000	800	24.4	19,500
Creek	600	500	18.2	9,100
Grady	500	350	22.3	7,800
McClain	2,400	2,100	29.3	61,500
Okfuskee	600	500	20.8	10,400
Oklahoma	500	400	19.5	7,800
Pottawatomie	1,400	900	16.9	15,200
Seminole	700	300	20.0	6,000
Other Counties	500	350	21.1	7,400
Total	8,200	6,200	23.3	144,700
SOUTH CENTRAL				
Bryan	2,600	2,200	24.4	53,600
Garvin	5,600	5,200	34.8	180,900
Other Counties	1,800	1,100	20.9	23,000
Total	10,000	8,500	30.3	257,500
NORTHEAST				
Craig	18,500	15,600	11.3	176,000
Delaware	3,800	3,400	12.4	42,200
Mayes	7,500	6,600	15.6	103,000
Nowata	5,500	4,400	16.5	72,500
Osage	4,500	3,500	23.7	83,000
Ottawa	29,500	26,000	16.7	433,000
Pawnee	1,500	1,400	14.5	20,300
Rogers	7,000	6,000	21.0	126,000
Tulsa	7,500	5,800	25.2	146,000
Wagoner	36,000	29,800	25.3	754,000
Washington	9,000	7,500	16.8	126,000
Total	130,300	110,000	18.9	2,082,000

SOYBEAN COUNTY ESTIMATES, OKLAHOMA, 1990

District and County	Planted For All Purposes	Harvested For Grain	Yield Per Harvested Acre	Production
	-Acres-		-Bushels-	
EAST CENTRAL				
Haskell	4,100	3,400	21.0	71,500
Hughes	1,000	600	12.7	7,600
McIntosh	3,400	2,600	15.8	41,000
Muskogee	29,800	25,000	21.0	525,000
Okmulgee	5,200	4,400	17.3	76,000
Pittsburg	800	600	18.8	11,300
Sequoyah	11,400	10,100	25.8	260,100
Other Counties	300	300	25.0	7,500
Total	56,000	47,000	21.3	1,000,000
SOUTHEAST				
Choctaw	5,000	4,000	16.6	66,300
LeFlore	18,500	16,600	27.0	449,000
McCurtain	16,600	13,500	21.4	289,000
Other Counties	400	400	25.5	10,200
Total	40,500	34,500	23.6	814,500
STATE TOTAL	**250,000**	**210,000**	**21.0**	**4,410,000**

SOYBEAN PRODUCTION, OKLAHOMA, 1990



OKLAHOMA LIVESTOCK

OKLAHOMA
AGRICULTURAL
STATISTICS
SERVICE

Fact Finding
for Agriculture

OKLAHOMA LIVESTOCK - JANUARY 1, 1991

Oklahoma's cattle and sheep numbers increased during 1990, while hog numbers decreased. Annual average prices received in 1990 rose for cattle and calves, hogs and sheep, but the average lamb price declined from 1989.

Cattle and calves on Oklahoma farms and ranches totaled 5,550,000 head on January 1, 1991, up 6 percent from the 1990 figure of 5,250,000. The State's cow inventory declined 1 percent during 1990 from 1,980,000 to 1,970,000. The all cow inventory consists of 1,870,000 beef cows, down 1 percent from the previous year's 1,880,000, and 100,000 milk cows which is the same number as the preceding year. The number of calves under 500 pounds was unchanged from the January 1, 1990 number of 1,140,000 head. The average inventory value of $555 per head for all cattle and calves on Oklahoma's 62,000 cattle operations was up 9 percent for a total value of $3.08 billion--up 15 percent from the January 1990 figure of 2.68 billion.

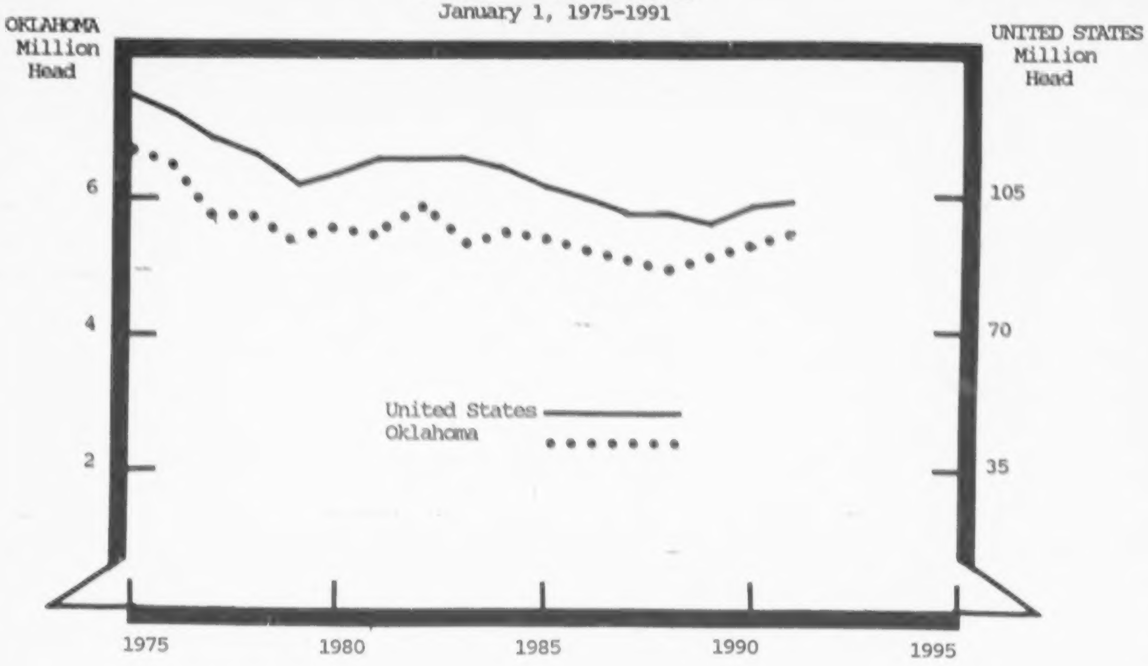
The number of cattle and calves in Oklahoma feedlots on January 1, 1991 was 330,000, 2 percent above the previous year. Fed cattle marketings during 1990 totaled 800,000 head, a 5 percent increase above 1989's total. The number of feedlot placements during the year increased by 1 percent.

Sheep and lamb numbers showed a 13 percent increase over the January 1, 1990 level. The inventory of sheep and lambs on Oklahoma's 2,700 sheep operations on January 1 consisted of 115,000 stock sheep, up 10 percent, and 20,000 sheep and lambs on feed, up 43 percent. The 1990 lamb crop of 85,000 head represented a 6 percent decrease from 1989. The January 1, 1991 average value per head was $53.00, down 36 percent from January 1, 1990. This decrease led to a total inventory value of $7.23 million, a 20 percent drop from the previous year. Wool produced during 1990 totaled 725,000 pounds, down 4 percent from 1989's level. The average price received for wool in 1990 was 67 cents per pound.

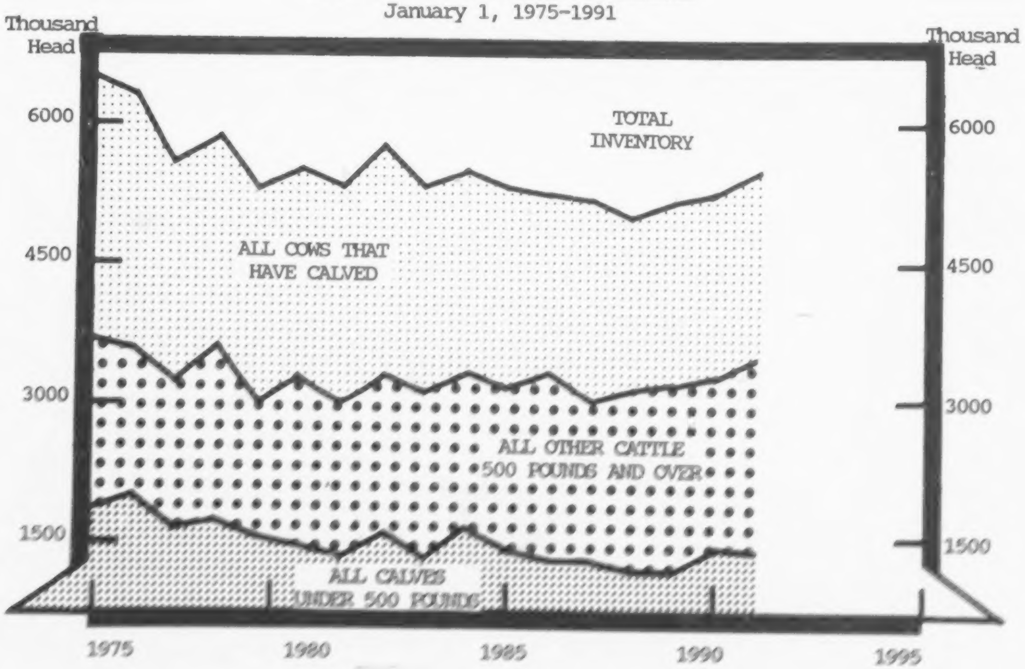
Angora goat numbers dropped 3 percent from the previous year to 63,000 head. The average value per head as of January 1, 1991 was $50.00 which calculated to a total inventory value of $3.15 million.

Hog numbers, as of December 1, 1990, totaled 215,000 head on the State's 5,500 hog operations. The total inventory was down 7 percent; breeding stock decreased 12 percent, and the number of market hogs dropped 5 percent from the 1989 inventory. The 1990 pig crop was 2 percent less than a year earlier and included 181,000 spring pigs and 161,000 fall pigs. Average value of $86.00 per head resulted in a total inventory value of $18.49 million, up 2 percent from the December 1, 1989 value.

CATTLE ON FARMS
Oklahoma - United States
January 1, 1975-1991



OKLAHOMA CATTLE NUMBERS BY CLASSES
January 1, 1975-1991



LIVESTOCK INVENTORY NUMBERS, OKLAHOMA, JANUARY 1, 1987-1991 AND HISTORIC

Year	Number on Farms and Ranches		Births	Average Value per Head	Total Dollar Value
	-Thousand	Head-		-Dollars-	-Thousand-
ALL CATTLE AND CALVES					
	All Cattle	All Cows	Calf Crop		
1965	4,352	2,279	1,885	97.00	422,144
1970	4,985	2,200	2,084	155.00	772,675
1975	6,500	2,835	2,443	130.00	845,000
1980	5,500	2,270	2,150	445.00	2,447,500
1987	5,150	2,050	1,850	330.00	1,699,500
1988	5,000	1,900	1,850	445.00	2,225,000
1989	5,050	1,915	1,930	545.00	2,806,750
1990	5,250	1,980	1,850	510.00	2,677,500
1991	**5,550**	**1,970**	—	**555.00**	**3,080,250**
ALL SHEEP AND LAMBS 1/					
	Sheep	Stock Sheep	Lamb Crop		
1965	149	121	97	13.00	1,573
1970	138	104	86	22.50	2,340
1975	89	66	60	26.50	2,359
1980	93	78	62	73.50	6,836
1987	105	80	61	68.50	7,193
1988	124	100	80	84.50	10,478
1989	136	120	90	84.50	11,492
1990	119	105	85	72.00	8,568
1991	**135**	**115**	—	**53.00**	**7,155**

ALL HOGS AND PIGS 2/

Year	Hogs on Farms	Spring Farrowings Sows	Spring Farrowings Pigs Saved	Fall Farrowings Sows	Fall Farrowings Pigs Saved	Average Value Per Head	Total Dollar Value
	-Thousand		Head-			-Dollars-	-Thousands-
1965	307	33	238	32	234	19.20	4,608
1970	442	48	355	48	350	22.50	9,945
1975	300	33	221	32	227	71.50	21,450
1980	350	38	277	36	270	57.50	20,125
1986	220	23	145	22	158	80.00	17,600
1987	200	25	180	18	126	77.50	15,500
1988	240	25	170	24	170	67.50	16,200
1989	230	23	171	24	177	79.00	18,170
1990	**215**	**25**	**181**	**23**	**161**	**86.00**	**18,490**

1/ Excludes new crop lambs.
2/ December 1.

Inventory, Supply and Disposition: Balance sheet estimates; the sum of inventory on hand beginning of year, births and inshipments equals the sum of marketings, farm slaughter, deaths and inventory on hand end of year.

LIVESTOCK DISPOSITION, OKLAHOMA, 1986-1990 AND HISTORIC

Year	Marketings		Farm Slaughter	Deaths		Inshipments
	-Thousand Head-					
ALL CATTLE AND CALVES						
	Cattle	Calves		Cattle	Calves	
1965	1,916	395	40	54	82	646
1970	2,375	462	11	63	107	1,034
1975	3,286	398	19	110	180	1,450
1980	2,980	228	10	92	140	1,200
1985	2,690	175	15	95	175	1,200
1986	2,815	190	15	90	170	1,250
1987	2,885	170	15	90	140	1,300
1988	2,930	110	10	90	160	1,500
1989	2,750	247	8	80	145	1,500
1990	**2,470**	**230**	**10**	**90**	**150**	**1,400**
ALL SHEEP AND LAMBS						
	Sheep	Lambs		Sheep	Lambs	
1965	13	94	2	13	11	47
1970	12	96	-	9	10	25
1975	14	58	-	6	9	17
1980	10	46	1	6	8	11
1985	8	53	2	4	8	20
1986	4	63	2	5	10	19
1987	4	54	2	6	8	32
1988	4	67	2	7	10	22
1989	27.5	69	1.5	9	9	9
1990	**11**	**51.5**	**1**	**5**	**10**	**9.5**
ALL HOGS AND PIGS 1/						
		Hogs			Hogs	
1965		370	42		52	25
1970		569	12		62	32
1975		422	10		45	10
1980		547	10		50	40
1985		297	3		20	25
1986		282	3		30	32
1987		311	3		30	18
1988		348	3		25	76
1989		422	4		20	88
1990		**430.5**	**2.5**		**17**	**93**

1/ December 1.

Marketings: Includes animals for slaughter market, as well as younger animals shipped to other states for feeding or breeding purposes. Excludes interfarm sales within the State and farm slaughter. Number of head marketed includes all custom slaughter.

Farm Slaughter: Animals slaughtered on farms primarily for home consumption. Excludes custom slaughter for farmers at commercial establishments.

MEAT ANIMALS: PRODUCTION AND PRICES, OKLAHOMA, 1986-1990 AND HISTORIC

Year	Production 1/	Marketings 2/	Price per 100 Pounds	
	-Thousand Pounds-		-Dollars-	
ALL CATTLE AND CALVES			Cattle	Calves
1965	1,443,180	1,817,720	19.30	22.50
1970	1,797,885	2,295,270	27.30	34.40
1975	2,085,120	2,925,275	30.00	27.90
1980	2,364,445	2,911,610	62.70	74.60
1985	2,092,700	2,685,550	49.90	62.30
1986	2,240,150	2,846,450	50.50	62.10
1987	2,116,450	2,792,560	57.60	79.30
1988	2,025,340	2,809,710	63.20	89.00
1989	2,032,740	2,695,460	66.40	89.70
1989	**1,961,440**	**2,424,575**	**73.10**	**94.70**
ALL SHEEP AND LAMBS			Sheep	Lambs
1965	7,817	10,012	5.90	22.80
1970	7,390	10,090	6.10	26.00
1975	4,360	6,920	7.30	39.30
1980	5,351	5,702	15.00	62.00
1985	5,476	6,076	20.00	65.90
1986	7,666	6,981	21.40	67.60
1987	6,054	5,694	22.50	76.10
1988	7,605	7,080	21.10	66.90
1989	7,380	9,788	21.10	65.30
1990	**7,205**	**6,180**	**21.60**	**50.90**
ALL HOGS AND PIGS			Hogs	
1965	100,575	87,377	19.50	
1970	145,565	131,099	22.60	
1975	100,489	93,800	46.50	
1980	126,554	118,395	37.20	
1985	80,547	84,303	44.60	
1986	82,045	78,220	49.70	
1987	86,205	85,255	49.50	
1988	90,555	92,733	41.40	
1989	89,360	92,165	42.20	
1990	**99,745**	**108,235**	**51.40**	

1/ Adjustments made for changes in inventory and inshipments.

2/ Excludes custom slaughter for use on farms where produced and interfarm sales within the State. Liveweight marketings exclude custom slaughter consumed on farms where produced.

Production: Includes total liveweight of livestock marketed, farm slaughter and custom slaughter consumed on farms where produced, minus liveweight of inshipments, and any increase or decrease in liveweight of inventory.

Prices: State prices are as published in the February Agricultural Prices report, and are computed by weighting monthly estimated prices received by farmers by monthly quantities sold.

MEAT ANIMALS: VALUE OF PRODUCTION, OKLAHOMA, 1986-1990 AND HISTORIC

Year	Value of Production	Cash Receipts 1/	Value of Home Consumption	Gross Income
	-Thousand Dollars-			
ALL CATTLE AND CALVES				
1965	284,678	356,787	4,705	361,492
1970	505,800	639,461	7,384	646,845
1975	621,314	873,872	18,079	891,951
1980	1,490,474	1,837,546	20,975	1,858,521
1985	1,050,111	1,349,092	20,354	1,369,446
1986	1,140,608	1,447,271	22,053	1,469,324
1987	1,226,768	1,623,630	20,921	1,644,551
1988	1,289,984	1,787,104	20,310	1,807,414
1989	1,370,742	1,812,051	16,299	1,828,350
1990	**1,460,778**	**1,791,259**	**15,716**	**1,806,975**
ALL SHEEP AND LAMBS				
1965	1,582	2,038	23	2,061
1970	1,725	2,337	-	2,337
1975	1,694	2,182	-	2,182
1980	2,669	2,971	124	3,095
1985	3,326	3,563	250	3,813
1986	4,713	4,497	321	4,818
1987	3,709	4,076	289	4,365
1988	4,185	4,517	191	4,708
1989	4,209	4,933	162	5,095
1990	**3,187**	**2,759**	**84**	**2,843**
ALL HOGS AND PIGS				
1965	19,612	17,039	1,886	18,925
1970	32,898	29,628	1,302	30,930
1975	46,819	43,869	5,348	49,217
1980	47,117	44,238	4,371	48,609
1985	35,987	37,782	1,147	38,929
1986	40,934	39,249	1,096	40,345
1987	43,053	42,807	728	43,535
1988	37,213	39,450	761	40,211
1989	36,910	40,373	1,418	41,791
1990	**50,606**	**57,325**	**758**	**58,083**

1/ Receipts from marketings and from sales of farm slaughter.

Cash Receipts: Receipts from marketings and any sales of farm slaughtered meats. Includes allowance for feeder pig outshipments.

Value of Home Consumption: Total value of slaughter on farm and custom slaughter consumed on farms where produced.

Gross Income: Sum of cash receipts and value of home consumption.

CATTLE ON FEED, PLACEMENTS, MARKETINGS AND DISAPPEARANCE, OKLAHOMA, 1986-1990

Year and Quarter	Total Number on Feed	KINDS OF CATTLE ON FEED		PLACEMENTS	MARKETINGS	DISAPPEARANCE
		Steers and Steer Calves	Heifers and Heifer Calves	Placed on Feed Quarter Beginning	Marketed Quarter Beginning	Quarter Beginning 1/
	- Thousand Head -					
1986						
Jan 1	320	220	100	160	185	5
Apr 1	290	212	78	165	185	5
Jul 1	265	169	96	210	205	5
Oct 1	265	178	87	190	190	10
1987						
Jan 1	255	157	98	165	165	5
Apr 1	250	159	91	195	175	5
Jul 1	265	159	106	230	190	5
Oct 1	300	204	96	185	160	5
1988						
Jan 1	320	192	127	195	205	5
Apr 1	305	201	103	205	175	5
Jul 1	330	232	92	195	215	5
Oct 1	305	210	94	185	180	5
1989						
Jan 1	305	202	103	205	190	5
Apr 1	315	209	106	185	200	10
Jul 1	290	189	101	205	190	10
Oct 1	295	183	112	220	185	5
1990						
Jan 1	**325**	**211**	**113**	**210**	**210**	**5**
Apr 1	**320**	**215**	**105**	**185**	**205**	**5**
Jul 1	**295**	**176**	**119**	**230**	**200**	**5**
Oct 1	**320**	**211**	**109**	**200**	**185**	**5**

1/ Includes death losses, movement from feedlots to pastures and shipments to other feedlots for further feeding.

CATTLE ON FEED, BY DISTRICT, OKLAHOMA, JANUARY 1, 1988-1991 AND HISTORIC

District	1980	1985	1988	1989	1990	**1991**
	- Thousand Head -					
Panhandle	250	270	270	255	271	**266**
West Central	13	15	19	16	16	**12**
Southwest	20	15	4	6	8	**8**
North Central	16	10	9	9	13	**20**
Central	19	25	12	10	5	**9**
Northeast	10	12	4	8	9	**10**
All Others	2	3	2	1	3	**5**
STATE TOTAL	**330**	**350**	**320**	**305**	**325**	**330**

CATTLE ON FEED, BY CLASS AND WEIGHT GROUP, OKLAHOMA, 1986-1990

Year and Quarter	WEIGHT GROUPS									
	Steers and Steer Calves					Heifers and Heifer Calves				
	Under 500 lbs.	500-699 lbs.	700-899 lbs.	900-1,099 lbs.	Over 1,100 lbs.	Under 500 lbs.	500-699 lbs.	700-899 lbs.	900-1,099 lbs.	Over 1,100 lbs. 1/
	- Thousand Head -									
1986										
Jan 1	2	29	81	82	26	9	28	44	19	-
Apr 1	0	20	81	95	16	2	17	38	21	-
Jul 1	0	10	53	89	17	2	26	53	15	-
Oct 1	4	18	78	56	22	1	20	43	23	-
1987										
Jan 1	0	20	56	57	24	7	28	38	25	-
Apr 1	1	13	84	52	9	0	18	48	25	-
Jul 1	7	10	34	84	24	1	21	53	31	-
Oct 1	6	39	86	49	24	2	29	40	25	-
1988										
Jan 1	1	16	51	92	32	3	29	53	42	-
Apr 1	3	23	100	57	18	4	29	49	21	-
Jul 1	14	11	51	115	41	1	15	47	29	-
Oct 1	7	29	53	65	26	7	20	42	25	-
1989										
Jan 1	2	9	65	80	46	1	20	43	35	4
Apr 1	0	11	89	95	14	2	24	58	21	1
Jul 1	7	22	53	86	21	2	24	40	31	4
Oct 1	4	29	70	59	21	4	30	43	33	2
1990										
Jan 1	**4**	**28**	**67**	**78**	**34**	**4**	**29**	**46**	**31**	**3**
Apr 1	**6**	**24**	**84**	**80**	**21**	**2**	**22**	**56**	**23**	**2**
Jul 1	**3**	**15**	**49**	**80**	**29**	**4**	**20**	**54**	**39**	**2**
Oct 1	**2**	**23**	**69**	**79**	**38**	**4**	**29**	**44**	**29**	**3**

1/ Figures not available before January 1, 1989.

NUMBER OF LIVESTOCK FARMS, OKLAHOMA, 1987-1990 AND HISTORIC 1/

Year	Cattle	Milk Cows	Hogs	Sheep
		-Number of Farms-		
1965	84,000	22,000	14,000	2,800
1970	75,000	13,000	12,000	2,200
1975	73,000	8,000	8,000	1,600
1980	66,000	5,700	11,000	2,100
1985	65,000	5,300	6,200	2,300
1987	64,000	4,000	6,000	2,500
1988	62,000	3,800	5,800	2,700
1989	61,000	3,600	6,000	2,800
1990	**62,000**	**3,400**	**5,500**	**2,700**

1/ A livestock operation is any place having one or more head of the species.

NUMBER OF LIVESTOCK BY CLASSES, OKLAHOMA, JANUARY 1, 1987-1991

Class	1987	1988	1989	1990	1991
			-Thousand Head-		
All Cows that have calved	2,050	1,900	1,915	1,980	**1,970**
Beef Cows	1,946	1,799	1,814	1,880	**1,870**
Milk Cows	104	101	101	100	**100**
Steers, Heifers, and Bulls under 500 pounds	1,325	1,200	1,170	1,140	**1,140**
Steers, 500+ pounds	930	1,030	1,080	1,160	**1,440**
Heifers, 500+ pounds	730	770	795	860	**890**
Beef Cow Replacements	245	225	245	265	**300**
Milk Cow Replacements	40	35	35	30	**35**
Other Heifers	445	510	500	565	**555**
Bulls, 500+ pounds	115	100	105	110	**110**
ALL CATTLE AND CALVES	**5,150**	**5,000**	**5,050**	**5,250**	**5,550**
Sheep and Lambs on Feed	25	24	16	14	**20**
Stock Sheep	80	100	120	105	**115**
Ewes 1 year+	60	78	94	82	**86**
Rams & Wethers 1 year+	3	3	5	5	[illegible]
Lambs under 1 year of age	17	19	21	18	**24**
ALL SHEEP AND LAMBS 1/	**105**	**124**	**136**	**119**	**135**
ANGORA GOATS 2/	**NA**	**NA**	**70**	**65**	**63**
Breeding Hogs 3/	35	30	35	40	**35**
Market Hogs and Pigs 3/	185	170	205	190	**180**
ALL HOGS 3/	**220**	**200**	**240**	**230**	**215**

1/ Excludes new crop lambs.
2/ First estimate January 1, 1989.
3/ December 1 previous year.

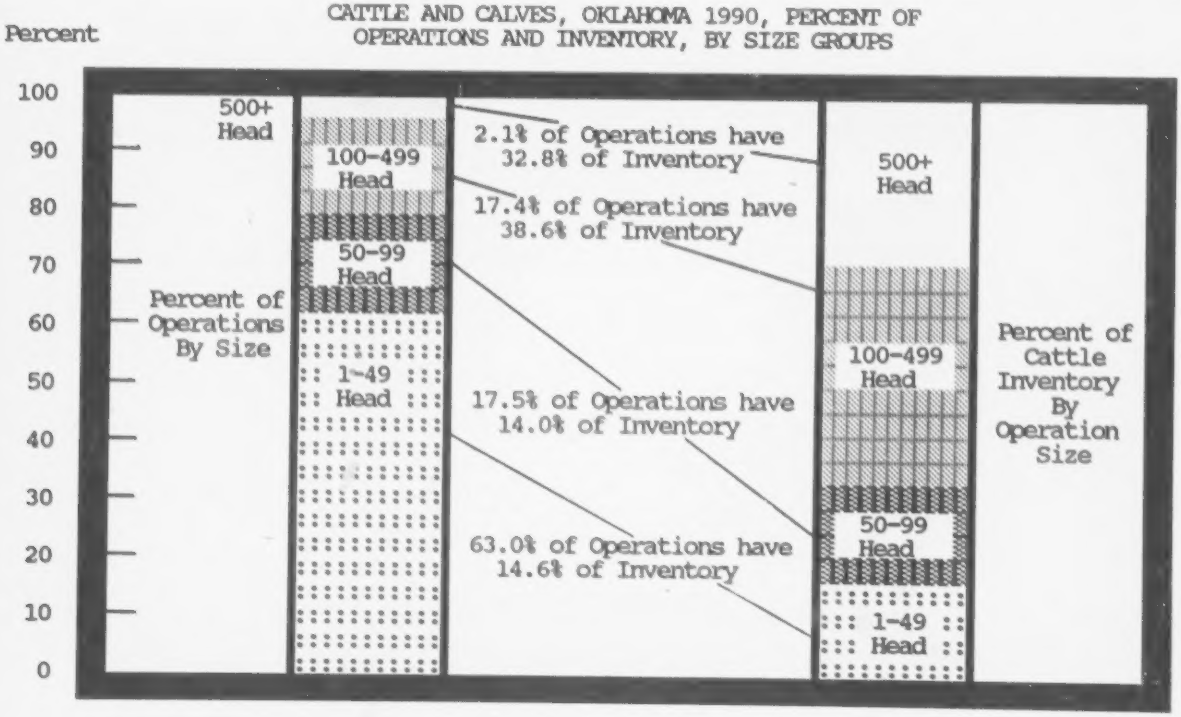
PERCENT OF CATTLE OPERATIONS BY SIZE, OKLAHOMA, 1986-1990

YEAR	Operations Having			
	1-49 Head	50-99 Head	100-499 Head	500+ Head
	- PERCENT -			
1986	62.5	17.2	18.4	1.9
1987	62.5	17.2	18.4	1.9
1988	61.3	18.5	18.1	2.1
1989	63.0	17.0	17.9	2.1
1990	**63.0**	**17.5**	**17.4**	**2.1**

PERCENT OF CATTLE INVENTORY BY SIZE OF OPERATION, OKLAHOMA, 1986-1990

YEAR	Operations Having			
	1-49 Head	50-99 Head	100-499 Head	500+ Head
	- PERCENT -			
1986	14.2	14.8	44.5	26.5
1987	15.2	14.8	43.1	26.9
1988	15.0	15.3	40.4	29.3
1989	15.0	15.0	40.0	30.0
1990	**14.6**	**14.0**	**38.6**	**32.8**

CATTLE AND CALVES, OKLAHOMA 1990, PERCENT OF OPERATIONS AND INVENTORY, BY SIZE GROUPS



LIVESTOCK SLAUGHTER IN COMMERCIAL PLANTS, OKLAHOMA, 1986-1990

Species/Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	ANNUAL TOTAL 1/
	- Number of Head -												
CATTLE													
1986	59,600	44,000	46,300	53,200	51,800	51,500	55,900	55,400	54,400	53,400	43,500	48,900	618,000
1987	53,000	42,000	37,500	17,300	17,900	18,600	18,200	17,800	17,700	18,800	15,600	12,700	287,100
1988	11,500	11,800	13,200	11,200	10,200	11,300	8,600	8,600	9,100	10,500	10,100	8,000	124,100
1989	7,200	5,600	6,800	6,300	7,800	6,000	5,400	6,300	6,800	8,700	8,300	6,500	81,800
1990	**7,700**	**5,100**	**5,900**	**5,500**	**6,000**	**6,300**	**6,000**	**4,200**	**5,100**	**4,600**	**4,000**	**3,800**	**64,200**
CALVES													
1986	200	200	200	300	200	200	300	300	300	300	300	400	3,400
1987	200	200	200	200	300	100	200	200	200	400	300	500	3,100
1988	200	200	200	300	300	200	200	200	300	200	400	400	2,900
1989	300	200	300	200	300	200	200	400	400	600	600	300	4,000
1990	**300**	**200**	**200**	**200**	**300**	**200**	**300**	**200**	**200**	**200**	**300**	**200**	**2,800**
SHEEP AND LAMBS													
1986	200	200	700	400	200	200	200	200	100	200	100	100	2,900
1987	100	200	400	200	200	200	200	100	200	200	200	100	2,200
1988	200	100	200	200	100	200	100	200	200	200	200	200	2,200
1989	100	200	300	200	100	200	100	200	200	300	200	100	2,000
1990	**100**	**100**	**200**	**200**	**200**	**100**	**300**	**200**	**200**	**300**	**200**	**200**	**2,400**
HOGS													
1986	11,400	10,700	12,500	12,300	10,400	10,100	9,500	9,500	10,800	11,600	9,900	11,200	129,900
1987	11,200	10,200	12,000	11,700	9,600	9,500	8,500	8,100	11,300	10,400	10,900	11,900	125,400
1988	11,000	11,400	15,200	11,700	11,600	11,600	10,900	12,400	13,500	13,300	14,400	12,300	149,200
1989	12,300	11,700	15,000	11,400	11,900	11,400	10,000	12,600	11,900	12,700	12,600	11,400	144,900
1990	**12,200**	**10,500**	**13,600**	**11,600**	**11,000**	**10,100**	**10,700**	**12,900**	**12,000**	**13,600**	**11,500**	**12,100**	**141,800**

1/ Months may not add to totals due to rounding.

PASTURE AND RANGE CONDITION, OKLAHOMA, 1986-1990 AND AVERAGE 1/

Year	May	Jun	Jul	Aug	Sep	Oct	Nov
1986	81	88	93	74	83	90	92
1987	80	79	90	90	83	91	87
1988	88	73	51	55	52	60	65
1989	63	82	90	91	93	94	85
1990	83	86	78	60	72	68	73
Ten Yr. Average	**79**	**84**	**83**	**75**	**74**	**75**	**77**

1/ Figures relate to the condition about the first day of each month and are a percent of normal.

NUMBER OF SHEEP SHORN, WOOL PRODUCTION AND VALUE, OKLAHOMA, 1986-1990

Year	Number of Sheep Shorn	Weight per Fleece	Wool Production	Dollars per Pound	Value of Wool Sales
	Thousands	Pounds	Thousand Pounds	Dollars	Thou. Dollars
1986	95	7.4	700	.54	378
1987	100	7.0	700	.69	483
1988	110	7.0	770	1.07	824
1989	112	6.7	752	1.00	752
1990	108	6.7	725	.67	486

SHEEP AND LAMB LOSSES, ALL CAUSES AND VALUE, OKLAHOMA, 1990

Sheep				Lambs			
All Causes	Predator Losses			All Causes	Predator Losses		
	Head	$/Head	Total Value		Head	$/Head	Total Value
5,000	3,000	65	195,000	10,000	4,900	31	151,900

SHEEP AND LAMB LOSSES BY PREDATOR, OKLAHOMA, 1990

Class	Coyotes		Dogs		All Other Animals		Total
	Head	%	Head	%	Head	%	Head
Sheep	2,800	93.3	100	3.3	100	3.3	3,000
Lambs	4,400	89.8	400	8.2	100	2.0	4,900

ANGORA GOAT INVENTORY AND VALUE, OKLAHOMA, JANUARY 1, 1989-1991

Year	Goats	Value/Head	Value of Inventory
1989	70,000	$56.00	$3,920,000
1990	65,000	$55.00	$3,575,000
1991	63,000	$50.00	$3,150,000

ANGORA GOAT INVENTORY, BY DISTRICT, OKLAHOMA, JANUARY 1, 1991

District	Goats	District	Goats
Panhandle	1,200	Northeast	2,800
West Central	25,000	East Central	4,500
Southwest	8,800	Southeast	1,200
North Central	8,000		
Central	6,500		
South Central	5,000	**STATE TOTAL**	**63,000**

MOHAIR PRODUCTION AND VALUE, OKLAHOMA, 1988-1990

Year	Goats Clipped	Annual Average Clip Per Goat	Mohair Produced	Price Per lb.	Total Value
		-Pounds-	-Pounds-	-Dollars-	-Dollars-
1988	79,000	7.7	605,000	1.79	1,083,000
1989	92,000	7.6	700,000	1.46	1,022,000
1990	82,000	8.0	655,000	.90	590,000

CATFISH INVENTORIES, OKLAHOMA, 1988 - 1991

YEAR	Hatchery Units				Production Units				
	Water Acres	Brood fish	Stockers	Fry/Fingerlings	Large	Food Size	Stockers	Fingerlings	Fry
	-No.-	-Thousand Fish-							
Jul 1988	1,428	27	3,119	9,876	49	826	3,339	1/	10,720
Jan 1989	1,400	25	940	1,290	32	510	1,230	1,130	NA
Jul 1989	1,400	22	268	3,651	18	287	460	1/	4,100
Jan 1990	1,500	40	740	1,810	15	395	710	1,730	NA
Jul 1990	1,100	8	115	2,470	25	400	730	1/	4,390
Jan 1991	**1,300**	**25**	**760**	**4,120**	**20**	**215**	**590**	**690**	**NA**

VALUE OF SALES, OKLAHOMA, 1987 - 1990

YEAR	Hatchery Sales		Production Unit Sales		
	Stockers	Fry/Fingerling	Large Fish	Foodsize	Stockers
	-Dollars-				
1987	15,000	2/	32,000	1,311,000	3,136,000
1988	100,000	151,000	200,000	1,000,000	1,560,000
1989	130,000	270,000	16,000	360,000	190,000
1990	**50,000**	**1,640,000**	**65,000**	**350,000**	**130,000**

POINT OF FIRST SALES, PERCENT OF VALUE, OKLAHOMA, 1987 - 1990

YEAR	Live Haulers	Fee Fishing	Other Producers	Government	Consumer Direct	Processors	Retailers	Other
	-Percent-							
FOOD SIZE								
1987	1	3	1	0	17	2	76	0
1988	1	18	1	0	7	34	38	1
1989	9	9	14	5	27	30	6	0
1990	**11**	**23**	**2**	**3**	**16**	**36**	**9**	**0**
STOCKERS								
1987	1	76	3	19	NA	NA	NA	1
1988	1	56	27	14	NA	NA	NA	2
1989	1	65	26	8	NA	NA	NA	0
1990	**1**	**47**	**50**	**2**	**NA**	**NA**	**NA**	**0**

1/ Fingerling and Fry not estimated separately in July.

2/ Not published to avoid disclosure of individual operations.

LIVESTOCK POPULATIONS, OKLAHOMA, JANUARY 1, 1991

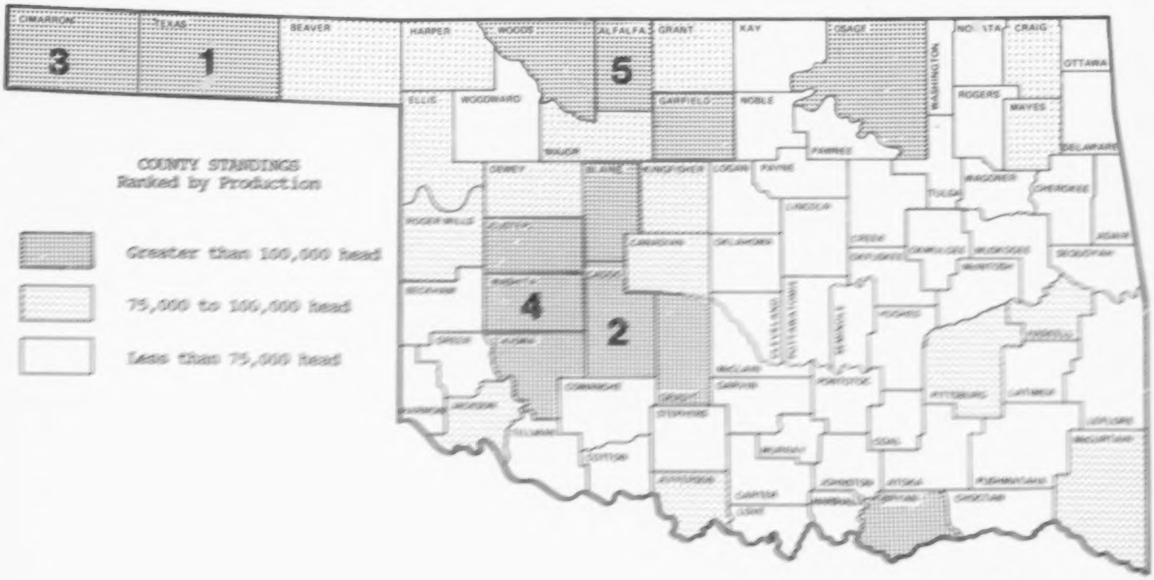
District And County	All Cattle And Calves	Beef Cows	All Sheep And Lambs 1/	All Hogs And Pigs 2/
PANHANDLE				
Beaver	86,000	26,500	2,300	2,700
Cimarron	143,000	25,500	1,000	2,600
Ellis	86,000	26,500	1,300	400
Harper	96,000	21,000	1,700	600
Texas	344,000	20,500	2,500	4,700
Total	755,000	120,000	8,800	11,000
WEST CENTRAL				
Beckham	44,000	17,500	--	1,200
Blaine	109,000	23,000	1,300	1,200
Custer	104,000	19,000	2,600	2,000
Dewey	78,000	25,500	900	800
Roger Mills	84,000	28,000	--	800
Washita	126,000	21,000	4,900	4,000
Other Counties	--	--	700	--
Total	545,000	134,000	10,400	10,000
SOUTHWEST				
Caddo	152,000	57,000	3,900	3,500
Comanche	70,000	24,500	1,900	600
Cotton	68,000	21,000	--	400
Greer	35,000	14,500	--	400
Harmon	33,000	9,000	800	1,600
Jackson	80,000	15,000	1,600	2,000
Kiowa	101,000	24,000	4,100	800
Tillman	51,000	15,000	3,200	700
Other Counties	--	--	1,000	--
Total	590,000	180,000	16,500	10,000
NORTH CENTRAL				
Alfalfa	125,000	13,500	4,600	5,400
Garfield	118,000	24,000	6,300	1,000
Grant	82,000	18,000	10,000	2,000
Kay	55,000	17,000	6,600	2,900
Major	75,000	20,000	500	600
Noble	65,000	17,000	2,000	2,000
Woods	105,000	32,500	1,000	500
Woodward	65,000	26,000	1,000	600
Total	690,000	168,000	32,000	15,000
CENTRAL				
Canadian	90,000	21,000	4,600	5,000
Cleveland	30,000	15,000	--	700
Creek	40,000	19,000	600	1,600
Grady	107,000	34,500	5,800	5,300
Kingfisher	98,000	16,000	5,400	7,000
Lincoln	51,000	25,500	600	2,000
Logan	72,000	24,000	3,500	1,000
McClain	63,000	19,000	600	1,400
Okfuskee	51,000	23,000	--	2,600
Oklahoma	25,000	10,000	1,000	600
Payne	48,000	20,000	1,400	2,500
Pottawatomie	54,000	25,000	800	2,000
Seminole	41,000	18,000	600	300
Other Counties	--	--	800	--
Total	770,000	270,000	25,700	32,000

LIVESTOCK POPULATIONS, OKLAHOMA, JANUARY 1, 1991

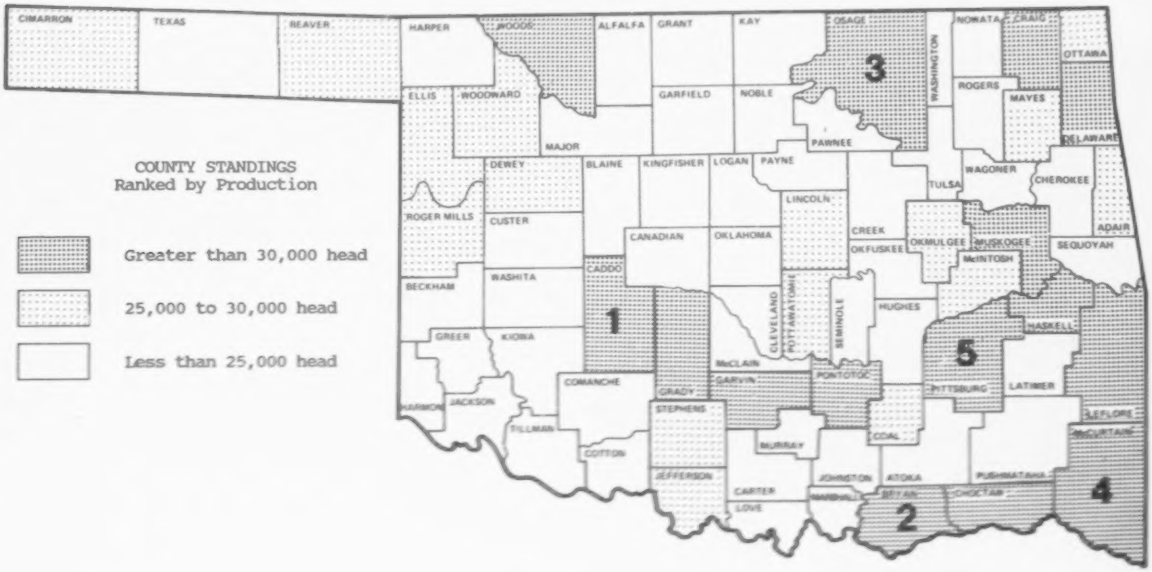
District And County	All Cattle And Calves	Beef Cows	All Sheep And Lambs 1/	All Hogs And Pigs 2/
SOUTH CENTRAL				
Atoka	55,000	24,500	1,200	--
Bryan	106,000	51,500	600	500
Carter	52,000	23,000	1,800	--
Coal	65,000	28,000	600	500
Garvin	70,000	31,000	5,700	2,000
Jefferson	83,000	25,500	2,400	500
Johnston	48,000	23,000	1,400	800
Love	45,000	21,000	1,500	500
Marshall	26,000	11,500	700	1,800
Murray	38,000	16,000	900	700
Pontotoc	71,000	32,500	800	2,500
Stephens	66,000	27,500	1,400	800
Other Counties	--	--	--	400
Total	725,000	315,000	19,000	11,000
NORTHEAST				
Craig	98,000	39,500	900	1,400
Delaware	63,000	32,000	500	60,000
Mayes	76,000	30,000	--	2,500
Nowata	45,000	18,000	--	1,900
Osage	115,000	48,000	1,000	4,600
Ottawa	60,000	25,500	--	5,000
Pawnee	36,000	13,000	1,700	2,000
Rogers	60,000	23,000	500	1,300
Tulsa	23,000	11,000	--	500
Wagoner	46,000	19,000	--	2,000
Washington	48,000	16,000	--	800
Other Counties	--	--	2,000	--
Total	670,000	275,000	6,600	82,000
EAST CENTRAL				
Adair	58,000	26,000	600	12,000
Cherokee	37,000	18,500	--	1,200
Haskell	80,000	38,500	1,200	500
Hughes	49,000	24,500	2,600	1,200
McIntosh	50,000	27,000	--	600
Muskogee	72,000	34,000	1,900	2,800
Okmulgee	43,000	25,500	600	2,000
Pittsburg	84,000	43,000	1,200	4,800
Sequoyah	32,000	16,000	1,500	900
Other Counties	--	--	400	--
Total	505,000	253,000	10,000	26,000
SOUTHEAST				
Choctaw	73,000	34,500	2,200	5,100
Latimer	28,000	15,000	800	300
LeFlore	74,000	38,000	900	700
McCurtain	88,000	45,500	600	11,000
Pushmataha	37,000	22,000	1,500	900
Total	300,000	155,000	6,000	18,000
STATE TOTALS	**5,550,000**	**1,870,000**	**135,000**	**215,000**

1/ Counties with less than 500 head combined in other counties. In some cases, a county with more than 500 head is combined with a smaller county with a smaller county to prevent disclosure. Includes new crop lambs. 2/ December 1 previous year. Counties with less than 300 head combined in other counties. In some cases, a county with more than 300 head is combined with a smaller county to prevent disclosure.

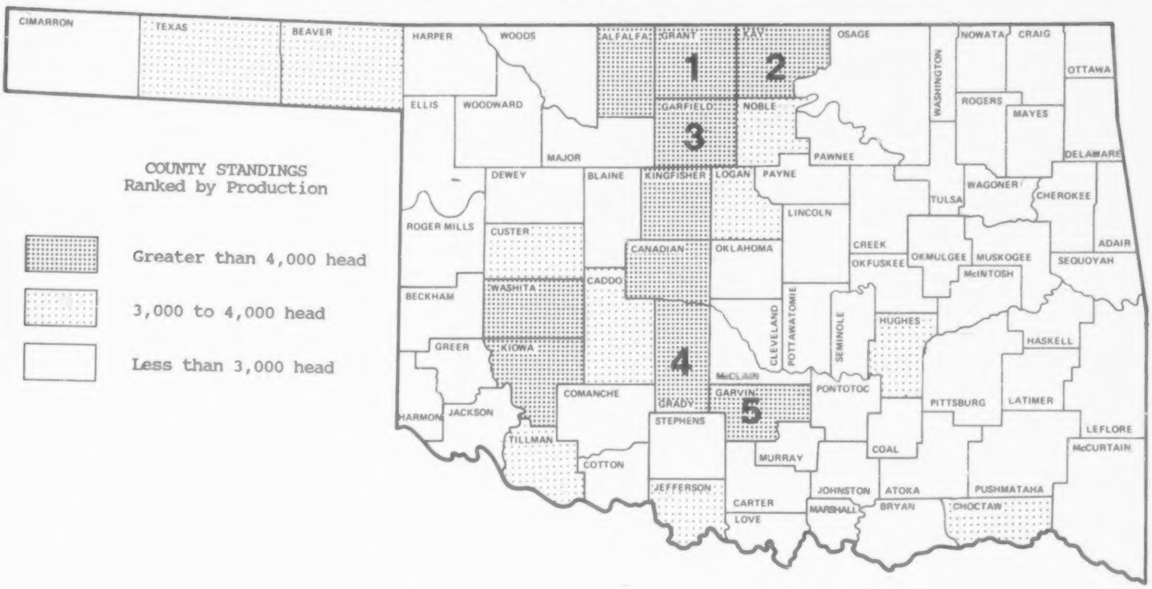
ALL CATTLE AND CALVES, OKLAHOMA, JANUARY 1, 1991



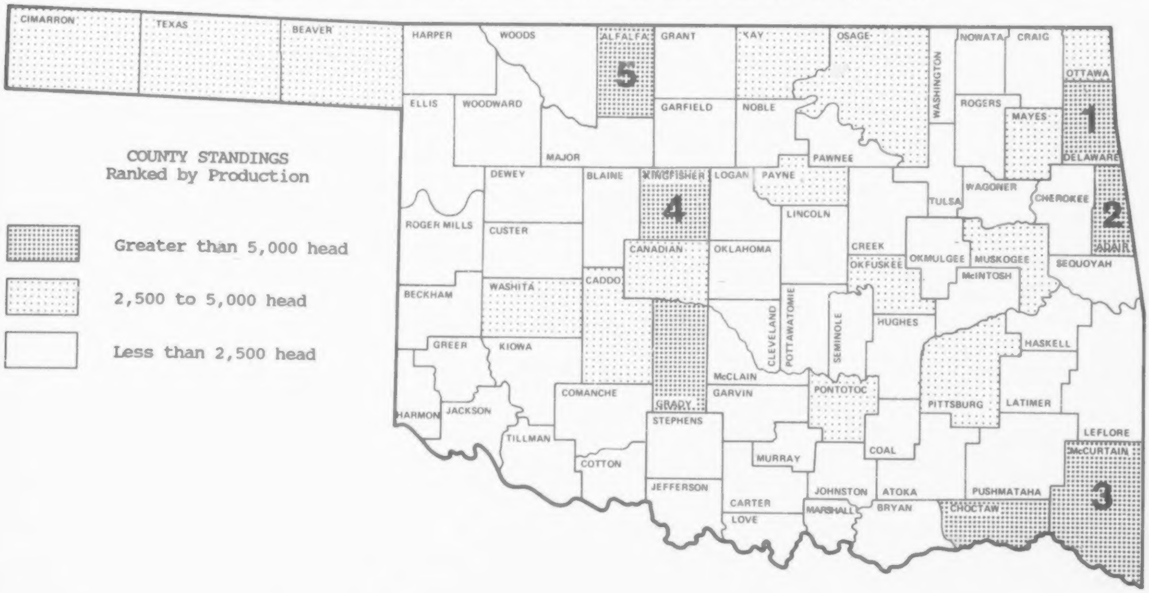
BEEF COWS, OKLAHOMA, JANUARY 1, 1991



SHEEP AND LAMBS, OKLAHOMA, JANUARY 1, 1991



HOGS AND PIGS, OKLAHOMA, DECEMBER 1, 1990



OKLAHOMA
DAIRY

OKLAHOMA
AGRICULTURAL
STATISTICS
SERVICE

Fact Finding
for Agriculture

1990 DAIRY REVIEW

The average number of milk cows in Oklahoma during 1990 was 101,000, an increase of 1,000 head above the average for 1989. Milk production for 1990 was 1.25 billion pounds compared to 1.23 billion pounds last year. The average annual yield per cow was 12,327.

The total cash sales, at 174.5 million, gained 4 percent over last year. However, the number of farms with milk cows declined 6 percent from 3,600 in 1989 to 3,400 in 1990.

Oklahoma's dairymen marketed 1.22 billion pounds of milk and cream during 1990. These marketings accounted for 98 percent of the State's milk production. The remaining production was used for household purposes and was fed to calves on the farms where the milk was produced.

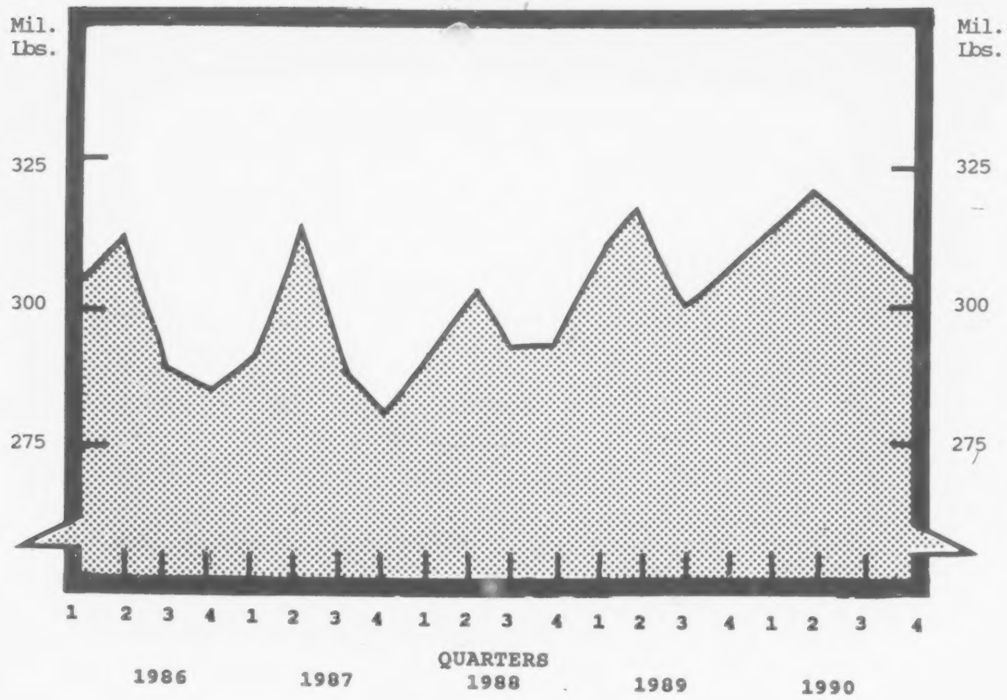
The quantity of whole milk (net whole milk equivalent) utilized in manufacturing dairy products decreased 15 percent from 633.5 million pounds in 1989 to 550.9 million pounds in 1990.

Production of frozen dairy products dropped 7 percent from 1989 to 17.6 million gallons. Ice cream production totaled 12.2 million gallons, a decrease of 3 percent from 1989. The production of ice milk decreased 26 percent while milk sherbet production increased 13 percent.

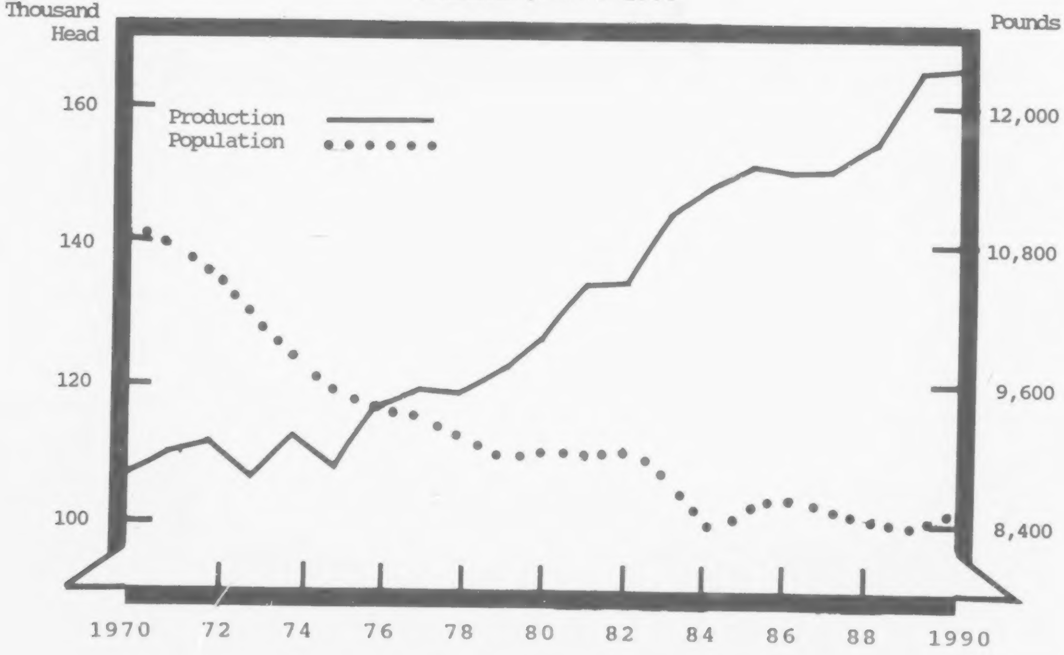
Butter production in 1990 amounted to 14.8 million pounds. This production represented a 24 percent decrease from the 1989 annual figures.

Production of creamed cottage cheese, at 12.1 million pounds, was 3 percent above a year earlier. Production of cottage cheese curd and lowfat cottage cheese also increased during 1990.

OKLAHOMA QUARTERLY MILK PRODUCTION
1986-1990



MILK COW POPULATION
AND PRODUCTION PER COW
OKLAHOMA, 1970-1990



MILK COW NUMBERS AND MILK PRODUCTION, OKLAHOMA, 1986-1990

Quarter	1986	1987	1988	1989	**1990**
Milk Cow Numbers					
-Thousands-					
January-March	105	102	101	100	**101**
April-June	104	102	101	100	**102**
July-September	102	102	101	100	**101**
October-December	104	101	101	100	**100**
Annual Average	104	102	101	100	**101**
Milk Production Per Cow					
-Pounds-					
January-March	2895	2843	2891	3100	**3100**
April-June	3000	3069	3000	3160	**3127**
July-September	2833	2814	2891	3000	**3050**
October-December	2740	2772	2901	3060	**3050**
Annual Avg. 1/	11,442	11,471	11,683	12,320	**12,327**
Total Milk Production					
-Million Pounds-					
January-March	304	290	292	310	**313**
April-June	312	313	303	316	**319**
July-September	289	287	292	300	**308**
October-December	285	280	293	306	**305**
Annual Total	1,190	1,170	1,180	1,232	**1,245**

1/ Average per cow for year.

MILK PRODUCTION, DISPOSITION AND INCOME, OKLAHOMA, 1986-1990

Item	Unit	1986	1987	1988	1989	1990
No. of Milk Cows 1/	(000)	104	102	101	100	**101**
Production: 2/						
Milk Per Cow	(lbs.)	11,442	11,471	11,683	12,320	**12,327**
Milkfat Per Cow	(lbs.)	414	413	423	450	**445**
Percent Milkfat	(%)	3.62	3.60	3.62	3.65	**3.61**
Total Milk	(Mil. lbs.)	1,190	1,170	1,180	1,232	**1,245**
Total Milkfat	(Mil. lbs.)	43.1	42.1	42.7	45.0	**44.9**
Disposition:						
Milk Used On Farms						
Fed to Calves	(Mil. lbs.)	17	17	17	17	**16**
Consumed by Humans	(Mil. lbs.)	14	13	13	13	**9**
Milk Sold to Plants 3/		1,159	1,140	1,150	1,202	**1,220**
Income:						
Price Per Cwt.	($)	13.20	13.40	12.90	14.00	**14.30**
Cash Receipts	($000)	152,988	152,760	148,350	168,280	**174,460**
Farm Consumption Value	($000)	1,848	1,742	1,677	1,820	**1,287**
Gross Producer Income 4/	($000)	154,836	154,502	150,027	170,100	**175,747**
Value of Milk Produced 5/	($000)	157,080	156,780	152,220	172,480	**178,035**

1/ Average number on farms during year.

2/ Excludes milk sucked by calves.

3/ Fluid milk constitutes approximately 96% of total milk sold. Manufacturing grade milk used for dairy products makes up the balance of 4%.

4/ Cash receipts from milk & cream marketings to plants plus value of farm consumption and sales of milk directly to consumers.

5/ Includes value of milk fed to calves.

BUTTER, ICE CREAM, AND COTTAGE CHEESE PRODUCTION, BY QUARTERS, OKLAHOMA, 1986-1990

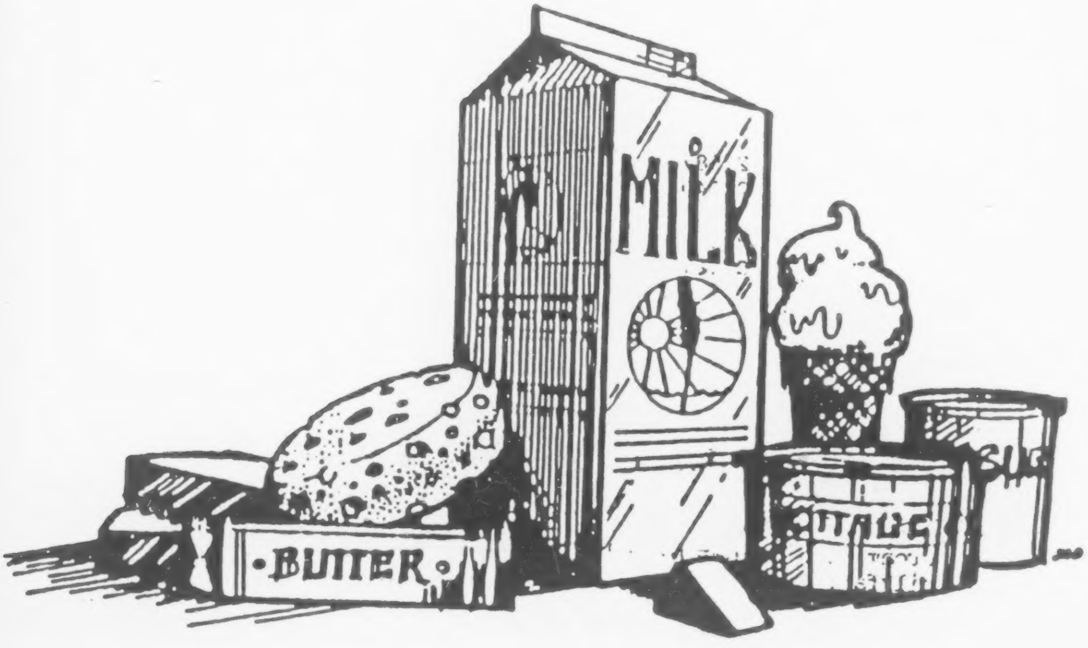
Year	Jan. - Mar.	Apr. - Jun.	Jul. - Sep.	Oct. - Dec.	Yearly Total
BUTTER PRODUCTION					
		-Thousand Pounds-			
1986	3,840	2,343	1,447	3,256	10,886
1987	4,000	3,074	2,029	4,360	13,463
1988	4,863	4,240	3,047	4,401	16,551
1989	5,802	5,115	2,130	5,232	18,279
1990	**4,439**	**2,729**	**3,137**	**4,465**	**14,770**
ICE CREAM PRODUCTION 1/					
		-Thousand Gallons-			
1986	2,826	3,372	3,464	2,610	12,272
1987	2,715	3,919	3,715	2,538	12,887
1988	2,774	3,623	3,552	2,275	12,224
1989	3,074	3,504	3,516	2,501	12,595
1990	**2,906**	**3,465**	**3,497**	**2,360**	**12,228**
COTTAGE CHEESE PRODUCTION					
		-Thousand Pounds-			
Lowfat 2/					
1986	695	749	839	842	3,125
1987	958	1,032	1,193	932	3,994
1988	1,102	1,220	1,376	1,460	5,158
1989	1,659	1,494	1,482	1,301	5,936
1990	**1,579**	**1,673**	**1,742**	**1,515**	**6,509**
Creamed 3/					
1986	2,438	2,549	3,189	2,938	11,114
1987	3,020	3,302	3,545	3,251	13,118
1988	3,064	3,140	3,129	3,027	13,419
1989	2,928	3,081	3,059	2,670	11,738
1990	**2,945**	**3,100**	**3,100**	**2,963**	**12,108**
Curd					
1986	1,735	1,791	2,258	2,156	7,940
1987	2,264	2,394	2,589	2,378	9,625
1988	2,583	2,628	2,718	2,489	10,418
1989	2,660	2,568	2,577	2,252	10,057
1990	**2,512**	**2,661**	**2,678**	**2,483**	**10,334**

1/ Includes ice cream both wholesale and retail.
2/ Less than 4% milkfat.
3/ Milkfat of 4% or more.

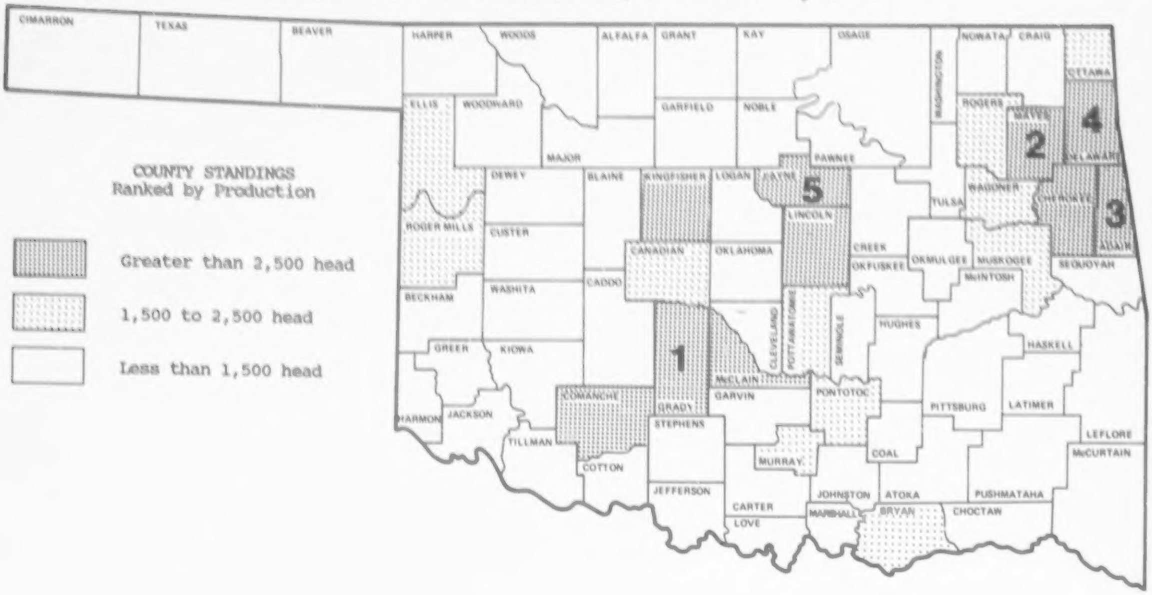
DAIRY PRODUCTS MANUFACTURED, OKLAHOMA, 1985-1989

Product	1985	1986	1987	1988	1989
	-Thousand Pounds-				
Butter, Creamery	10,363	10,886	13,463	16,551	**18,279**
Cottage Cheese 1/					
Curd	7,000	7,940	9,625	10,418	**10,057**
Creamed	9,880	11,114	13,118	13,419	**11,738**
Lowfat	2,567	3,125	3,994	5,158	**5,936**
	-Thousand Gallons-				
Frozen Products & Mixes:					
Ice Cream	12,442	12,272	12,887	12,224	**12,595**
Ice Milk	3,961	3,962	4,548	6,207	**5,298**
Sherbet (Milk)	764	726	812	923	**886**
Ice Cream Mix	6,201	6,076	8,880	6,051	**6,172**
Ice Milk Mix	1,974	1,994	2,483	2,989	**2,319**
Milk Sherbet Mix	429	453	707	571	**526**

1/ Cottage cheese is not additive. Figures for curd represent the total curd made for marketing without further processing as well as for creaming before sale. Creamed cottage cheese has 4 percent or more fat content. Lowfat cottage cheese has less than 4 percent fat content.



MILK COWS, OKLAHOMA, JANUARY 1, 1991



MILK COW COUNTY ESTIMATES, OKLAHOMA, JANUARY 1, 1991 1/

District and County	Milk Cows
PANHANDLE	
Beaver	1,100
Ellis	1,600
Harper	650
Other Counties	150
Total	3,500
WEST CENTRAL	
Beckham	1,100
Blaine	500
Custer	1,000
Dewey	500
Roger Mills	2,300
Washita	900
Total	6,300
SOUTHWEST	
Caddo	500
Comanche	3,100
Other Counties	1,100
Total	4,700
NORTH CENTRAL	
Garfield	850
Grant	750
Kay	500
Major	1,200
Noble	600
Other Counties	500
Total	4,400
CENTRAL	
Canadian	2,000
Cleveland	900
Creek	1,300
Grady	19,600
Kingfisher	2,800
Lincoln	3,600
Logan	700
McClain	2,800
Payne	3,600
Pottawatomie	1,600
Other Counties	800
Total	39,600
SOUTH CENTRAL	
Atoka	700
Bryan	2,000
Coal	600
Garvin	800
Johnston	1,300
Murray	1,700
Pontotoc	1,700
Stephens	1,100
Other Counties	300
Total	10,200
NORTHEAST	
Craig	1,200
Delaware	3,700
Mayes	5,600
Nowata	1,000
Osage	750
Ottawa	2,200
Rogers	1,600
Wagoner	1,500
Other Counties	650
Total	18,200
EAST CENTRAL	
Adair	5,300
Cherokee	2,700
McIntosh	700
Muskogee	2,100
Other Counties	800
Total	11,600
SOUTHEAST	
LeFlore	700
Other Counties	800
Total	1,500
STATE TOTAL	**100,000**

1/ Counties with less than 500 head are included in other counties.

OKLAHOMA
POULTRY

OKLAHOMA
AGRICULTURAL
STATISTICS
SERVICE

Fact Finding
for Agriculture

POULTRY REVIEW - 1990

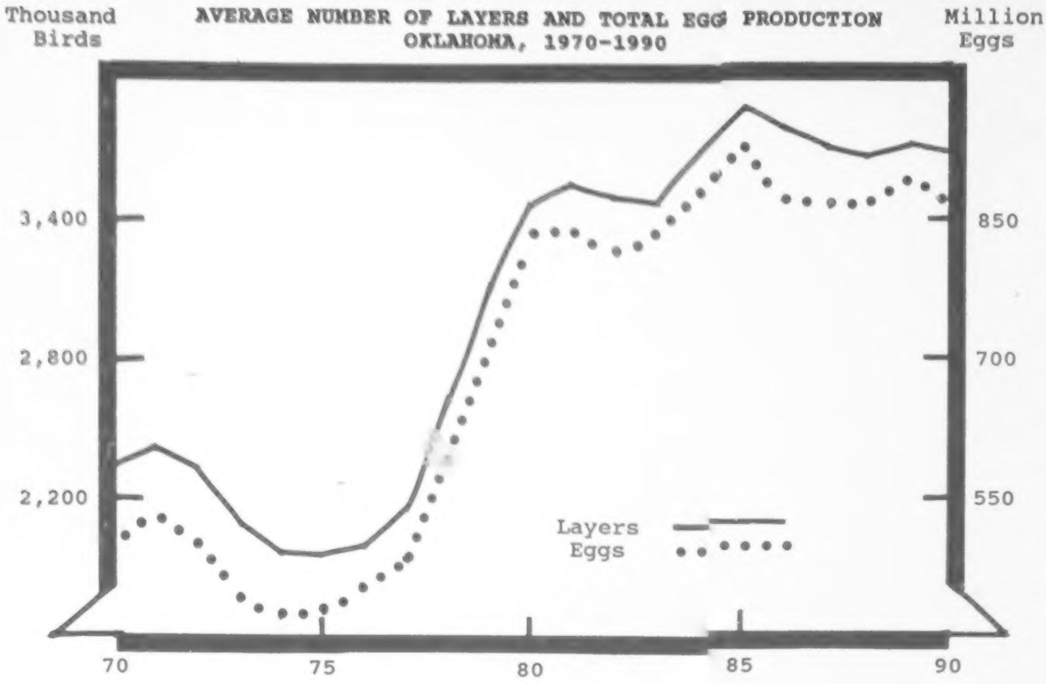
There were 4.75 million chickens (excluding broilers) on Oklahoma's farms and ranches as of December 1, 1990, 1 percent below the inventory of a year earlier. Hens and pullets of laying age accounted for 3.73 million of the total, a 3 percent increase from a year ago. Pullets not yet of laying age numbered 0.88 million with other chickens making up the balance. The average value per bird is $3.40 as of December 1, 1990, an increase of $.55 per bird from the previous year. Thus, indicating a total inventory value of $16.15 million.

Egg production for the year ending November 30, 1990, was 869 million eggs, down 2 percent from a year earlier. The annual number of layers averaged 3.75 million hens and pullets. The average number of eggs per layer fell from 237 in 1989 to 231 for 1990.

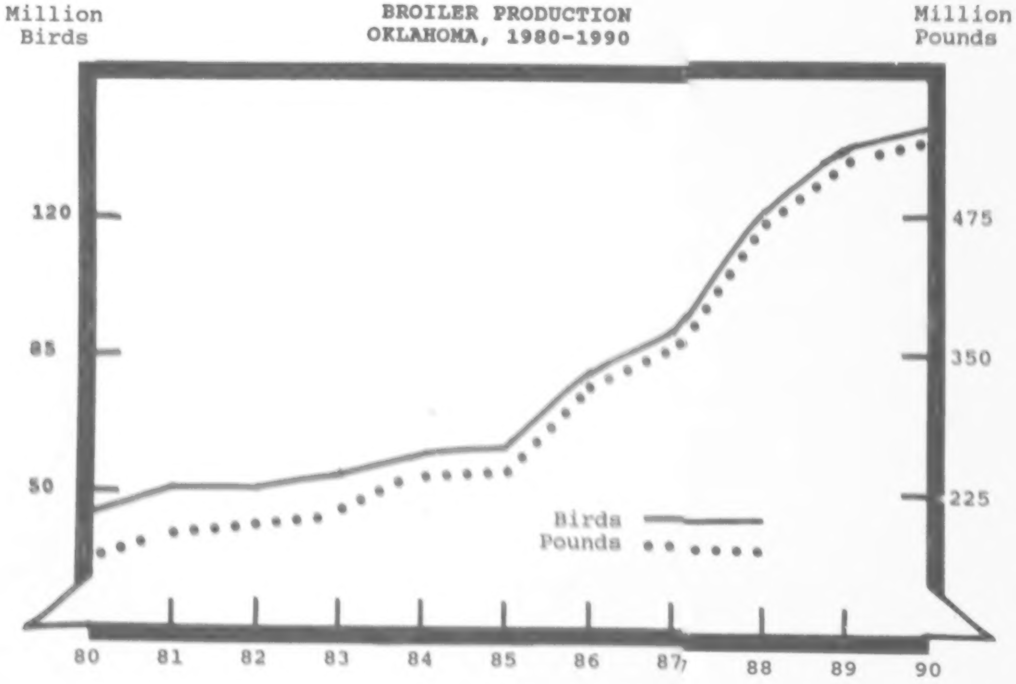
The price per dozen eggs rose 4 percent from last year, averaging 101.0 cents per dozen. The total value of egg production amounted to $73.14 million, 2 percent over 1989.

The State's broiler production, concentrated mostly in the eastern part of the State was 142 million, an increase of 5 percent over 1989. Total pounds produced was 540 million, 2 percent above production for last year.

The price per pound of broilers, at 33.5 cents, decreased 4 cents from a year ago, resulting in a 9 percent decrease in the dollar value of production. Oklahoma is ranked number 11 in the Nation in broiler production.



AVERAGE NUMBER OF LAYERS AND TOTAL EGG PRODUCTION
OKLAHOMA, 1970-1990



BROILER PRODUCTION
OKLAHOMA, 1980-1990

POULTRY NUMBERS BY CLASS AND VALUE, OKLAHOMA, DECEMBER 1, 1986-1990

Class	1986	1987	1988	1989	**1990**
	-Thousands-				
Hens & Pullets (Birds) Laying Age	3,650	3,450	4,005	3,630	**3,725**
Pullets (Birds) Not of Laying Age	930	1,260	750	1,030	**875**
Other Chickens (Birds)	170	140	145	140	**150**
TOTAL CHICKENS (Birds), excluding Broilers	4,750	4,850	4,900	4,800	**4,750**
Value Per Bird ($)	3.30	3.25	3.15	2.85	**3.40**
Total Value ($000)	15,675	15,763	15,435	13,680	**16,150**

CHICKEN INVENTORY NUMBERS, DISPOSITION AND CASH RECEIPTS, OKLAHOMA 1986-1990 1/

Year	Beginning Inventory 2/	Lost 3/	Sold		Price Per Pound	Cash Receipts
			Number	Pounds		
	-Thousands-				Cents	($000)
1986	4,800	500	3,300	21,780	15.1	3,289
1987	4,750	550	3,200	24,320	14.7	3,575
1988	4,850	480	3,000	21,300	13.0	2,769
1989	4,900	540	2,700	22,140	16.6	3,675
1990	4,800	530	2,800	23,520	13.8	3,246
1991	**4,750**					

BROILERS: PRODUCTION AND GROSS INCOME, OKLAHOMA, 1986-1990 1/

Year	Number Birds Produced	Pounds Produced (Liveweight)	Price Per Pound	Gross Income
	-Thousands-		Cents	($000)
1986	79,500	325,950	35.0	114,083
1987	90,600	362,400	29.0	105,096
1988	120,900	471,510	33.0	155,598
1989	135,100	526,890	37.5	197,584
1990	**142,000**	**539,600**	**33.5**	**180,766**

1/ Marketing year is December 1 previous year to November 30 of year shown.
2/ Inventory estimates as of December 1 previous year.
3/ Lost during the year.

EGGS: PRODUCTION AND GROSS INCOME, 1986-1990 1/

Year	Produced	Price Per Dozen	Gross Income
	Million Eggs	Cents	(000) Dollars
1986	875	84.4	61,542
1987	863	91.0	65,444
1988	863	79.4	57,102
1989	886	97.2	71,766
1990	**869**	**101.0**	**73,141**

FARM CHICKENS, OKLAHOMA, DECEMBER 1, 1990 2/

District	Chickens	District	Chickens
Panhandle	10,000	South Central	1,300,000
West Central	35,000	Northeast	1,100,000
Southwest	15,000	East Central	1,490,000
North Central	15,000	Southeast	730,000
Central	55,000	**STATE TOTAL**	**4,750,000**

AVERAGE NUMBER OF LAYERS AND EGG PRODUCTION, OKLAHOMA, 1986-1990 3/

Quarter	1986	1987	1988	1989	**1990**
			Average Number of Layers -Thousand-		
December-February	4,041	3,731	3,471	3,966	**3,725**
March-May	3,850	3,763	3,533	3,718	**3,776**
June-August	3,670	3,745	3,738	3,583	**3,753**
September-November	3,646	3,613	3,953	3,643	**3,751**
Annual Average	**3,801**	**3,713**	**3,674**	**3,726**	**3,751**
			Eggs Per 100 Layers -Number-		
December-February	5,667	5,870	5,647	5,774	**5,637**
March-May	5,740	5,926	5,972	5,970	**5,693**
June-August	5,858	5,794	5,993	6,084	**5,835**
September-November	5,760	5,646	5,869	5,956	**5,998**
Annual Average Per Hen 4/	**230**	**232**	**235**	**237**	**231**
			Total Eggs Produced -Million Eggs-		
December-February	229	219	196	229	**210**
March-May	221	223	211	222	**215**
June-August	215	217	224	218	**219**
September-November	210	204	232	217	**225**
Annual Total	**875**	**863**	**863**	**886**	**869**

1/ Marketing year is December 1 previous year to December 1 of year shown.

2/ Excluding Commercial Broilers

3/ Annual period refers to December 1, of previous year and ends with November 30 of the year shown.

4/ Eggs produced during year divided by average number of layers on farms during year, expressed as eggs per layer.

OKLAHOMA AGRICULTURAL PRICES

OKLAHOMA
AGRICULTURAL
STATISTICS
SERVICE

Fact Finding
for Agriculture

OKLAHOMA CASH RECEIPTS INCREASE IN 1990

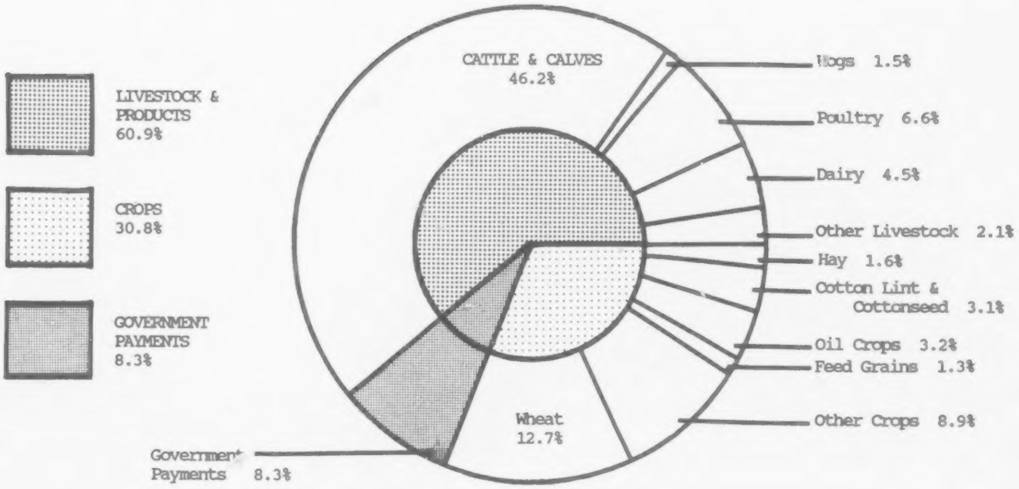
Cash receipts from farm marketings totaled $3.55 billion in 1990, an increase of 1 percent from 1989. Receipts from livestock and related products, which account for 66 percent of total farm marketings, were down 1 percent to $2.36 billion. Crop sales grew by 5 percent, totaling $1.19 billion in 1990. A 22 percent increase in sales from greenhouses and nurseries was reflected in the total sales for crops.

The 1990 Index of Livestock and Livestock Products averaged 202 percent of the 1977 base year, a 14 point increase from last year. The All Beef Cattle price averaged $73.10 per cwt., up $6.70 from 1989. Steer and Heifer prices gained $5.80 over the previous year to average $84.30 per cwt.; beef cows picked up $2.50 per cwt., averaging $50.80, and the price for calves under 500 pounds rose $5.00 to $94.70 per cwt. for the year. Dairy herd replacements averaged $1100 per head, $110.00 above 1989's level. Sheep prices were up slightly while lamb and wool prices dropped. Hog, milk, and egg prices showed increases in 1990 while chicken and broiler prices showed declines.

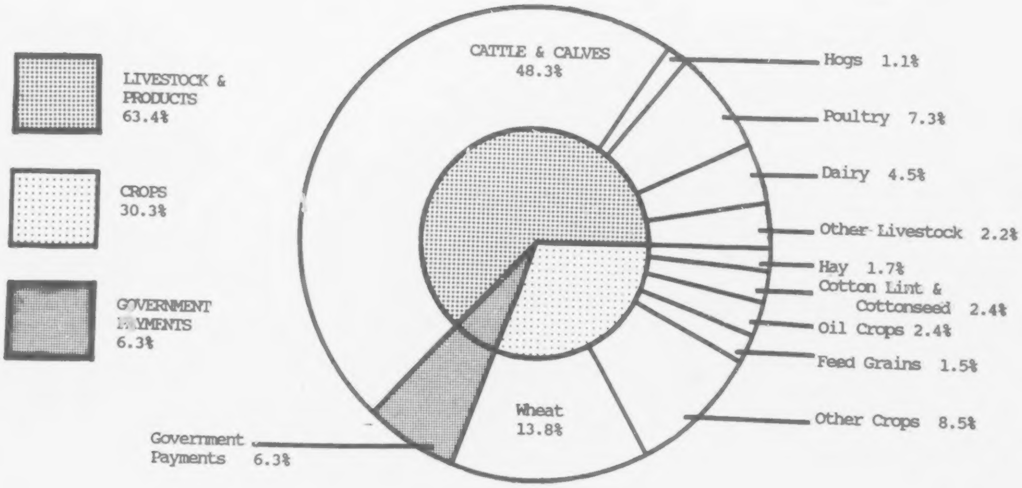
The Prices Received Index for all Crops averaged 125 percent of the 1977 base year (1977 = 100), down 18 points from the preceding year. The 1990 Oklahoma winter wheat price averaged $2.55 per bushel, down $1.24 cents per bushel. Food grain prices were mixed--rye was up 40 cents to $2.40 per bushel, oats was down 35 cents at $1.75 per bushel, and barley was down 25 cents to $1.95 per bushel. Grain sorghum at $3.80 per cwt. was up 7 cents, and corn was 15 cents per bushel lower to average $2.25. Soybeans gained 5 cents per bushel to average $5.45. Peanut prices gained 11.7 cents to average 40.5 cents per pound for the year. Pecans gained 27.9 cents to average 91.3 cents per pound. Alfalfa hay prices ranged from a low of $88.00 per ton in April and June to a high of $100.00 per ton in November and December.

CASH RECEIPTS, 1989 - 1990

1990



1989



CASH RECEIPTS FROM MARKETINGS BY PRINCIPAL COMMODITIES, OKLAHOMA, 1986-1990 1/

Commodity	1986	1987	1988	1989	1990 2/
			-Thousand Dollars-		
CROPS					
Winter Wheat	303,881	313,962	508,464	520,875	**492,358**
Cotton Lint	59,331	65,052	93,579	84,248	**102,900**
Cottonseed	6,577	9,930	11,342	9,138	**15,069**
Peanuts	59,677	57,915	61,661	60,682	**95,305**
Hay	52,241	55,802	68,686	67,516	**60,584**
Grain Sorghum	29,814	30,565	27,937	39,577	**30,518**
Soybeans	19,832	22,167	29,534	33,622	**29,320**
Corn for Grain	11,344	6,959	8,490	15,508	**18,815**
Oats	2,070	1,803	4,121	1,810	**1,414**
Barley	1,323	877	918	1,190	**968**
Rye	784	449	1,657	768	**577**
Others 3/	53,262	57,178	62,347	63,090	**61,973**
Fruits and Nuts					
Pecans	9,413	4,973	20,398	5,710	**5,735**
Others 4/	5,557	5,192	10,384	9,563	**4,054**
Other Products 5/	154,000	185,350	205,535	224,000	**273,000**
TOTAL ALL CROPS	**769,106**	**818,174**	**1,115,053**	**1,137,297**	**1,192,590**
LIVESTOCK AND LIVESTOCK PRODUCTS					
Cattle & Calves	1,447,271	1,623,630	1,787,104	1,812,051	**1,791,259**
Dairy Products	152,988	152,760	148,350	168,280	**174,460**
Hogs	39,249	42,807	39,450	40,373	**57,325**
Sheep & Lambs	4,497	4,075	4,516	4,932	**2,758**
Chickens(Excl. Broilers)	3,289	3,575	2,769	3,675	**3,246**
Broilers	114,083	105,096	155,598	197,584	**180,766**
Eggs	61,542	65,444	57,102	71,766	**73,141**
Catfish	NA	6,155	4,385	966	**2,235**
Misc. Livestock 6/	74,853	78,068	73,275	77,835	**77,053**
TOTAL LIVESTOCK	**1,897,772**	**2,081,610**	**2,272,549**	**2,377,462**	**2,362,243**
TOTAL ALL COMMODITIES	**2,666,878**	**2,899,784**	**3,387,602**	**3,514,759**	**3,554,833**

1/ Individual figures may not add to total due to rounding.
2/ Preliminary figures.
3/ Miscellaneous vegetable, seed and other crops.
4/ Peaches, blackberries, and miscellaneous fruits and nuts.
5/ Other Products includes Forest products and Greenhouse & Nursery.
6/ Miscellaneous Livestock includes wool, turkeys, and other livestock.

CASH RECEIPTS FROM FARM MARKETINGS, BY MONTHS, OKLAHOMA 1986-1990 1/

Cash Receipts From Marketings	1986	1987	1988	1989	1990 2/
		-Thousand	Dollars-		
CROPS					
January	74,047	52,960	69,131	111,011	
February	33,184	40,926	47,873	54,518	
March	25,239	43,355	38,378	58,153	
April	36,725	39,148	41,987	47,883	
May	47,070	47,572	62,402	73,827	
June	113,057	110,020	213,854	224,286	
July	140,088	84,076	127,864	139,849	
August	70,451	104,371	113,139	113,435	
September	31,725	45,047	79,275	111,790	
October	43,373	69,364	92,701	87,313	
November	80,585	97,962	105,249	72,183	
December	73,562	86,915	120,033	91,029	
TOTAL	769,106	818,174	1,115,053	1,137,297	**1,192,590**
LIVESTOCK & PRODUCTS					
January	147,527	156,743	150,071	190,437	
February	112,627	123,814	159,987	130,907	
March	142,125	157,933	162,702	222,293	
April	141,239	157,812	181,346	179,547	
May	150,897	165,933	198,100	176,618	
June	135,141	148,690	165,135	183,874	
July	184,932	196,524	164,732	211,674	
August	195,908	212,356	204,441	203,620	
September	188,165	217,565	231,807	233,135	
October	188,836	208,963	282,178	303,790	
November	173,363	187,120	197,145	211,156	
December	137,012	148,157	144,885	161,933	
TOTAL	1,897,772	2,081,610	2,272,549	2,377,462	**2,362,243**
ALL FARM MARKETINGS					
January	221,574	209,703	219,202	301,448	
February	145,811	164,740	207,860	185,425	
March	167,364	201,288	201,080	280,446	
April	177,964	196,960	223,333	227,430	
May	197,967	213,505	260,502	250,445	
June	248,198	258,710	378,989	408,160	
July	325,020	280,600	292,596	351,523	
August	266,359	316,727	317,580	317,055	
September	219,890	262,612	311,082	344,925	
October	232,209	278,327	374,879	391,103	
November	253,948	285,082	302,394	283,339	
December	210,574	235,072	264,918	252,962	
TOTAL	2,666,878	2,899,784	3,387,602	3,514,759	**3,554,833**

1/ Monthly totals are preliminary; yearly totals revised--columns may not add to yearly total.

2/ 1990 data not available at time of publishing.

GROSS AND NET FARM INCOME, OKLAHOMA, 1986-1990 1/

Description	1986	1987	1988	1989	**1990** 2/
Number of Farms	72,000	71,000	70,000	70,000	**70,000**
		-Million	Dollars-		
Cash Receipts					
Farm Marketings	2,666.9	2,899.8	3,387.6	3,514.8	**3,554.8**
Government Payments	393.0	362.8	288.4	234.8	**319.0**
TOTAL CASH RECEIPTS	**3,059.9**	**3,262.6**	**3,676.0**	**3,749.6**	**3,873.8**
Non-Money Income	171.2	174.8	191.4	184.6	**174.0**
Other Farm Income	190.4	207.1	210.1	258.6	**207.1**
Realized Gross Farm Income	3,421.5	3,644.5	4,077.5	4,192.8	**4,254.9**
Farm Production Expenses	2,753.0	2,846.4	3,227.7	3,298.2	**3,320.5**
Realized Net Farm Income	668.5	798.1	849.8	894.6	**934.4**
Net Change in Farm Inventories	-6.3	-58.3	27.7	133.8	**184.7**
TOTAL NET FARM INCOME	**662.2**	**739.8**	**877.5**	**1,028.4**	**1,119.1**
			-Dollars-		
Average Per Farm					
Realized Gross Farm Income	47,521	51,331	58,250	59,897	**60,784**
Farm Production Expenses	38,236	40,090	46,110	47,117	**47,436**
Realized Net Income	9,285	11,241	12,140	12,780	**13,349**
TOTAL NET INCOME	**9,197**	**10,420**	**12,536**	**14,691**	**15,987**

1/ Details may not add to totals due to rounding.
2/ Preliminary figures.

All income derived from farm operations and Government farm programs is included in the above table. The following description of terms may be helpful in interpreting the table:

Cash Receipts from Farm Marketings - Receipts from sales, loans made or guaranteed by CCC and purchases under price support programs.

Government Payments - Those payments made to farmers in connection with programs such as Agricultural Conservation, Feed Grain, Wheat and Cotton, Disaster Payments, etc.

Non-Money Income - Includes the value of farm products consumed directly in farm households and the rental value of housing provided by farm dwellings. Expenses are included in the production expense estimates, thus non-money imputations do not add on a dollar-for-dollar basis.

Realized Gross Farm Income - The sum of the above income sources.

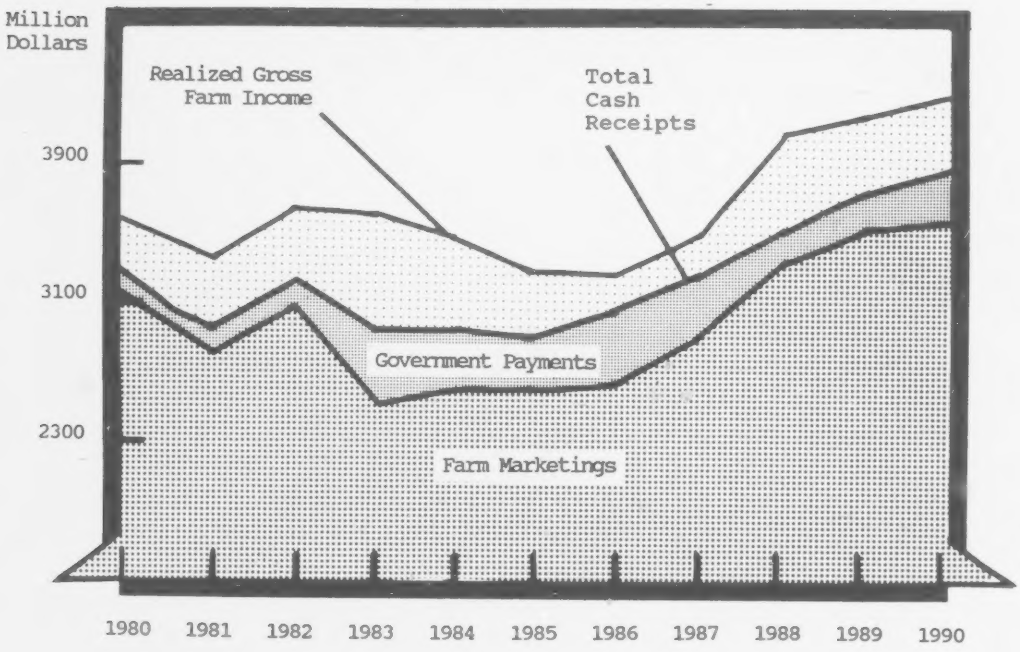
Farm Production Expenses - Cost of current operations (excludes new capital equipment, taxes, and rents).

Realized Net Farm Income - Realized gross income minus production expenses.

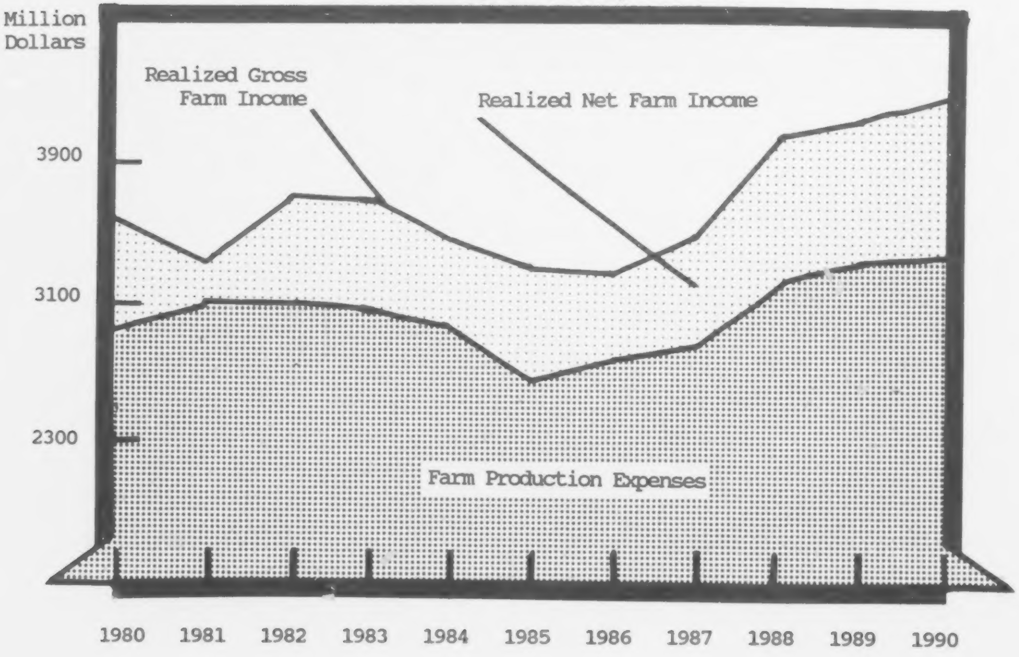
Net Change in Farm Inventories - Value of change in quantities of crops and livestock products kept on farms from one year to the next (may be a minus value).

Total Net Farm Income - Realized net income plus the net change in inventories.

FARM INCOME, OKLAHOMA 1980-1990



CASH RECEIPTS, OKLAHOMA, 1980-1990



AGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS, OKLAHOMA AND U.S., DECEMBER 31, 1990

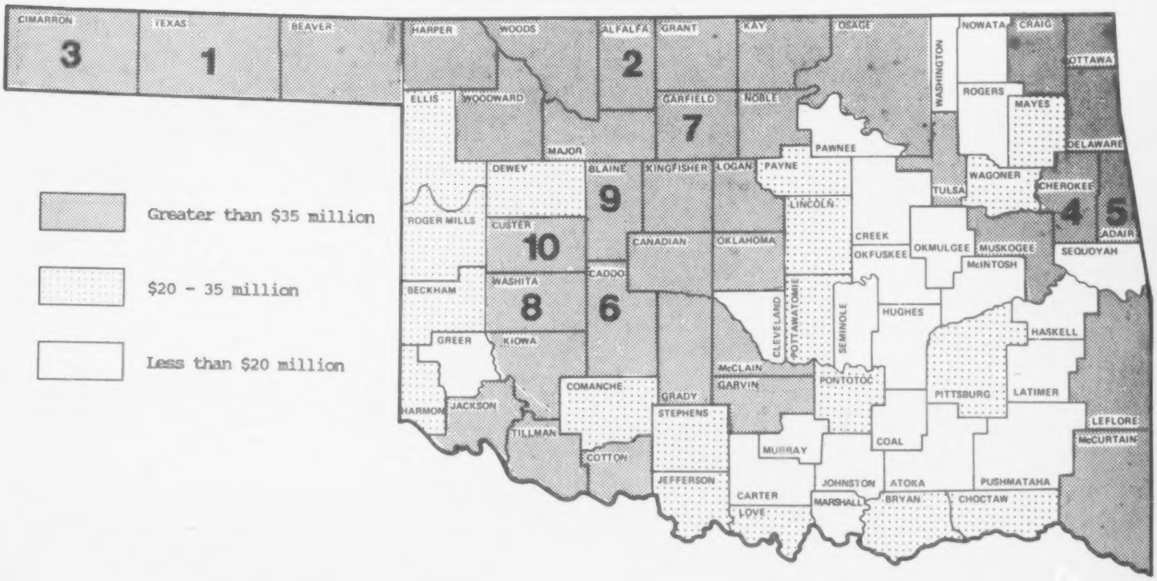
ITEM	OKLAHOMA	UNITED STATES
	- 1,000 ACRES -	
Total Land Area 1/	43,939	2,265,242
Privately Owned Agricultural Land 2/	38,500	1,265,272
Foreign Owned Agricultrual Land	29.7	14,445.7
Percent under Foreign Ownership (%)	0.1	1.1
Foreign Ownership by Country:	- ACRES -	
Canada	6,132	3,910,235
United Kingdom	511	2,778,770
Germany	3,144	1,158,376
Netherlands Antilles	8,595	588,500
All Others	11,323	6,009,860
Total Foreign Ownership	29,705	14,445,741

1/ 1980 Land Area from Geography Division, Census Bureau.

2/ Estimate of total land less public, Indian, transportation, and urban lands. Includes forest land, pastureland, cropland, range, and miscellaneous.

SOURCE: Foreign Ownership of U.S. Agricultural Land Through December 31, 1990, by J. Peter DeBraal, Natural Resource Economics Division, Economic Research Service, U.S. Department of Agriculture.

CASH RECEIPTS, OKLAHOMA, 1989



INDEX NUMBERS OF PRICES RECEIVED BY PRODUCERS, OKLAHOMA, 1983-1990 1/

Item	1983	1984	1985	1986	1987	1988	1989	1990
ALL FARM PRODUCTS	145	142	134	131	144	164	172	**175**
All Crops	141	134	116	103	109	138	143	**125**
Winter Wheat	157	148	129	101	108	158	167	**113**
Feed Grains & Hay	136	141	109	93	108	140	121	**127**
Cotton & Cottonseed	109	86	82	77	99	84	101	**109**
Oil Bearing Crops	140	128	118	151	119	131	140	**184**
Livestock & Livestock Products	147	147	144	146	164	178	188	**202**
Meat Animals	151	150	148	149	173	190	198	**217**
Dairy Products	139	137	133	131	133	128	139	**142**

1/ A base year of 1977 (1977=100). Annual index based upon market year average prices.

REAL ESTATE DEBT, OKLAHOMA, DECEMBER 31, 1985-1989

Year	Federal Land Banks1/	FMHA	Life Insurance Companies	All Banks	Individuals & Others	CCC Loans	Total 2/
			-Million Dollars-				
1985	1,233	410	162	307	575	2	2,690
1986	1,054	409	154	331	507	1	2,456
1987	884	406	140	330	435	0	2,195
1988	831	383	127	353	380	0	2,074
1989	785	348	112	360	359	0	1,965

NON-REAL ESTATE DEBT, OKLAHOMA, DECEMBER 31, 1985-1989

Year	All Operating Banks	Production Credit Association	FICB	FMHA	Individuals & Others	CCC Loans	Total 2/
			-Million Dollars-				
1985	1,297	256	64	636	169	445	2,867
1986	1,083	122	35	626	253	206	2,325
1987	1,127	140	21	643	251	89	2,271
1988	1,132	132	NA	594	270	73	2,201
1989	1,211	147	NA	509	281	26	2,174

FARM REAL ESTATE VALUES, SELECTED STATES, 1987-1991

State	Average Value per Acre of Land and Buildings				
	February 1, 1987	February 1, 1988	February 1, 1989	January 1, 1990	February 1, 1991
			-Dollars-		
Oklahoma	**475**	**480**	**521**	**497**	**486**
Kansas	373	413	435	462	467
Missouri	604	640	673	679	689
Texas	546	544	515	495	481

FARM REAL ESTATE VALUES, BY AGRICULTURAL STATISTICS DISTRICT, OKLAHOMA, 1987-1991 3/

Year	PH	WC	SW	NC	C	SC	NE	EC	SE	State
					-Dollars Per Acre-					
1987	325	420	400	515	505	500	530	505	535	475
1988	330	425	435	520	515	475	535	515	505	480
1989	345	450	510	570	560	490	590	540	530	521
1990	320	430	480	545	540	460	565	520	520	497
1991	**295**	**470**	**520**	**525**	**510**	**460**	**555**	**440**	**450**	**486**

1/ Farm Credit System as of 1989.
2/ Individual figures may not equal total due to rounding.
3/ Revised figures.

CASH RENT PER ACRE FOR OKLAHOMA AND SURROUNDING STATES, 1988-1991

State	Rent per Acre					Ratio of Rent-to-Value				
	1987	1988	1989	1990	1991	1987	1988	1989	1990	1991
	-Dollars-					-Percent-				
CROPLAND										
Oklahoma										
(dryland)	**23.00**	**24.30**	**25.80**	**27.20**	**25.50**	**4.8**	**5.3**	**5.1**	**5.5**	**5.4**
(irrigated)	**37.20**	**33.70**	**36.10**	**42.50**	**40.40**	**8.3**	**6.8**	**6.8**	**6.1**	**6.4**
Kansas										
(dryland)	28.60	30.60	30.20	33.10	32.50	7.8	8.3	7.6	8.0	7.7
(irrigated)	59.70	54.10	62.50	61.50	60.60	10.4	9.8	10.3	9.1	8.7
Missouri	48.30	54.70	59.80	61.90	62.20	9.1	9.1	8.9	9.9	9.3
Texas										
(dryland)	19.90	20.50	22.60	20.10	20.70	2.3	2.5	3.1	2.9	3.5
(irrigated)	40.60	41.10	49.50	43.10	47.50	5.4	4.8	6.1	4.8	6.4
PASTURE										
Oklahoma	**10.20**	**10.40**	**9.50**	**9.70**	**10.50**	**3.0**	**3.3**	**2.8**	**3.2**	**3.4**
Kansas	10.80	11.80	10.80	11.50	11.20	5.5	5.5	5.2	5.2	5.2
Missouri	19.40	22.70	22.80	24.10	24.10	5.4	6.0	6.2	6.8	6.2
Texas	7.70	7.80	7.30	9.20	9.00	1.0	1.2	1.4	1.6	1.7

CROPLAND CASH RENT PER ACRE, BY AGRICULTURAL STATISTICS DISTRICT, OKLAHOMA, 1987-1991

Year	PH	WC	SW	NC	C	SC	NE	EC	SE	State
	- Dollars per Acre -									
1987	17.10	30.90	24.30	30.10	24.40	17.00	23.90	15.80	24.60	23.80
1988	16.55	28.00	26.50	29.75	29.75	17.00	27.50	16.50	25.00	24.80
1989	18.20	29.60	26.00	34.00	30.40	17.40	30.50	18.00	25.20	26.40
1990	20.00	31.10	27.90	36.10	31.90	19.10	31.20	19.70	26.30	28.10
1991	**21.20**	**27.90**	**31.20**	**31.40**	**26.60**	**20.70**	**25.20**	**20.10**	**24.60**	**26.40**

PASTURE CASH RENT PER ACRE, BY AGRICULTURAL STATISTICS DISTRICT, OKLAHOMA, 1987-1991

Year	PH	WC	SW	NC	C	SC	NE	EC	SE	State
	- Dollars per Acre -									
1987	5.60	8.80	9.05	8.40	8.70	9.80	12.10	13.00	13.60	10.20
1988	5.60	8.30	10.00	8.50	10.10	8.80	12.00	14.00	13.50	10.40
1989	5.10	8.30	9.70	7.90	8.70	8.70	10.80	13.60	9.80	9.50
1990	5.60	8.50	9.60	8.70	8.70	8.80	11.10	13.60	9.90	9.70
1991	**5.90**	**9.20**	**10.80**	**9.50**	**9.90**	**9.80**	**12.00**	**13.60**	**10.50**	**10.50**

MARKET YEAR AVERAGE PRICES RECEIVED FOR CROPS, OKLAHOMA, 1986-1990 AND HISTORIC 1/

Year	Winter Wheat	Oats	Barley	Rye	Corn for Grain	Soybeans	Grain Sorghum
	Dollars per Bushel						$ per cwt.
1960	1.75	.64	.73	.89	1.07	1.82	1.41
1965	1.36	.71	.93	1.00	1.29	2.32	1.82
1970	1.33	.69	.87	1.02	1.32	2.67	2.05
1975	3.43	1.66	2.19	2.05	2.63	4.44	4.21
1980	3.88	1.96	2.46	2.00	3.55	7.34	5.55
1985	2.91	1.75	2.15	2.50	2.70	4.70	3.68
1986	2.28	1.40	1.70	1.50	1.85	4.55	2.66
1987	2.46	1.75	1.55	1.75	2.20	5.60	3.04
1988	3.57	2.10	2.15	3.35	2.70	7.15	4.32
1989	3.79	2.10	2.20	2.00	2.40	5.40	3.73
1990	**2.55**	**1.75**	**1.95**	**2.40**	**2.25**	**5.45**	**3.80**

Year	All Hay	Cottonseed	Cotton	Peanuts	Native Pecans	Improved Pecans	All Pecans
	$ per Ton		Cents per Pound				
1960	19.60	40.80	27.5	10.0	29.0	36.5	29.6
1965	20.50	46.00	27.1	11.2	16.0	25.0	16.6
1970	27.55	58.20	20.0	12.2	36.0	49.0	36.8
1975	46.00	89.70	47.2	19.2	32.0	55.0	33.7
1980	70.50	125.00	77.4	25.8	68.0	115.0	74.7
1985	56.00	59.50	49.3	26.3	53.0	85.0	57.8
1986	54.50	93.50	43.4	33.0	59.0	96.5	62.8
1987	63.00	77.00	58.4	25.8	38.0	79.3	41.4
1988	77.50	108.00	46.8	27.4	42.2	64.6	43.4
1989	66.50	124.00	57.0	28.8	59.1	98.2	63.4
1990	**72.00**	**107.00**	**63.1**	**40.5**	**91.3**	**114.0**	**87.0**

1/ Market year average prices do not include an allowance for loans outstanding and government purchases; prior to 1979, these were included.

ANNUAL PRICES RECEIVED FOR LIVESTOCK PRODUCTS, OKLAHOMA, 1986-1990 AND HISTORIC

Year	Beef Cattle	Beef Cows	Steers & Heifers	Calves	Hogs
	-Dollars per Hundredweight-				
1960	18.80	14.00	21.20	22.10	14.80
1965	19.30	13.10	21.40	22.50	20.40
1970	27.30	19.60	29.50	34.40	22.60
1975	30.00	18.60	32.50	27.90	46.50
1980	62.70	44.70	68.00	74.60	37.20
1985	49.90	36.20	58.30	62.30	44.60
1986	50.50	35.90	57.30	62.10	49.70
1987	57.60	42.80	68.90	79.30	49.50
1988	63.20	45.80	77.10	89.00	41.40
1989	66.40	48.30	78.50	89.70	42.20
1990	**73.10**	**50.80**	**84.30**	**94.70**	**51.40**

Year	All Milk Sold To Plants			Sheep	Lambs	Wool
	All Milk	Fluid	Mfg Grade			
	-Dollars per Hundredweight-					Cents/lb.
1960	4.60	4.81	3.35	6.60	18.40	35
1965	4.64	4.80	3.42	5.90	22.80	40
1970	6.13	6.30	4.60	6.10	26.00	30
1975	9.10	9.30	7.30	7.30	39.30	36
1980	13.60	13.90	11.80	15.00	62.00	75
1985	13.40	13.60	11.30	20.00	65.90	50
1986	13.20	13.40	10.70	21.40	67.60	54
1987	13.40	13.60	10.70	22.50	76.10	69
1988	12.90	13.00	10.50	21.10	66.90	107
1989	14.00	14.10	11.40	21.10	65.30	100
1990	**14.30**	**14.40**	**11.40**	**21.60**	**50.90**	**67**

Year	Milk Cows	Chickens (Excl. Broilers	Broilers	Turkeys 1/	Eggs
	$ per Head	-Cents per Pound-			Cents/doz.
1960	195	9.1	16.3	24.1	30.6
1965	180	8.2	14.1	20.7	30.7
1970	265	8.0	13.6	22.6	38.3
1975	358	9.2	26.0	32.0	53.7
1980	1,260	17.5	27.5	41.0	62.5
1985	870	16.0	30.5	49.3	66.4
1986	820	15.1	35.0	51.6	84.4
1987	930	14.7	29.0	41.4	91.0
1988	960	13.0	33.0	45.9	79.4
1989	990	16.6	37.5	44.8	97.2
1990	**1100**	**13.8**	**33.5**	**43.0**	**101.0**

1/ After 1985, Oklahoma, Colorado, Texas, and Wisconsin combined to avoid disclosing individual operations.

MONTHLY PRICES RECEIVED, OKLAHOMA, 1986-90 AND HISTORIC

Commodity & Year	Jan	Feb	Mar	Apr	May	Jun
	-Dollars per Hundredweight-					
BEEF CATTLE						
1960	19.20	20.10	21.00	20.90	20.20	19.30
1970	26.40	27.60	28.80	29.30	28.10	27.90
1975	24.50	24.00	24.50	29.50	31.70	32.90
1980	65.60	69.30	66.40	61.00	61.80	62.50
1985	55.80	56.20	53.90	53.30	51.00	49.20
1986	51.20	51.50	51.50	48.80	48.30	48.50
1987	55.30	57.70	59.30	56.00	54.90	55.20
1988	65.60	65.70	65.40	67.70	64.00	56.50
1989	68.30	71.50	68.10	64.00	63.80	64.40
1990	**68.20**	**69.80**	**72.00**	**69.40**	**72.20**	**72.70**
BEEF COWS						
1960	14.50	14.80	15.90	15.20	14.90	14.50
1970	19.40	20.50	21.50	21.60	20.50	20.20
1975	15.60	16.50	16.80	19.50	21.60	19.70
1980	50.80	53.50	48.00	45.70	44.40	43.00
1985	37.70	40.70	41.30	40.20	38.40	37.00
1986	35.80	37.70	37.20	33.90	35.00	36.60
1987	38.60	41.30	42.90	42.90	42.00	42.70
1988	45.60	49.00	49.40	50.20	47.20	42.30
1989	46.80	50.30	50.00	49.10	47.60	47.80
1990	**48.90**	**51.10**	**52.60**	**52.50**	**53.90**	**52.40**
STEERS AND HEIFERS						
1960	21.70	22.50	23.30	23.30	22.60	21.60
1970	28.70	29.70	30.80	31.20	30.00	29.90
1975	26.70	26.00	26.40	31.70	33.60	35.20
1980	71.90	73.30	70.80	63.70	64.30	66.80
1985	64.30	63.00	60.90	60.10	58.10	57.50
1986	60.60	57.50	56.40	53.80	53.20	53.00
1987	60.80	64.60	66.30	67.40	66.20	68.20
1988	78.50	79.90	78.20	78.00	75.20	70.40
1989	80.80	80.00	78.30	75.10	74.20	78.00
1990	**80.40**	**81.10**	**79.80**	**81.80**	**82.90**	**84.10**
CALVES						
1960	23.20	24.00	24.40	24.60	24.20	23.50
1970	33.70	35.50	36.50	36.00	35.50	34.70
1975	22.70	23.00	22.80	27.40	30.40	30.00
1980	84.90	90.00	81.40	74.00	72.00	73.20
1985	63.60	65.60	67.50	66.60	64.70	60.20
1986	61.00	63.50	61.90	60.40	55.90	56.80
1987	65.50	71.40	71.50	72.40	73.40	74.10
1988	84.90	91.50	93.40	94.50	90.30	80.80
1989	93.00	94.30	95.60	90.20	88.90	91.60
1990	**89.10**	**95.00**	**97.70**	**96.90**	**96.50**	**93.90**

MONTHLY PRICES RECEIVED, OKLAHOMA, 1986-90 AND HISTORIC

Commodity & Year	Jul	Aug	Sep	Oct	Nov	Dec
	-Dollars per Hundredweight-					
BEEF CATTLE						
1960	18.60	17.70	17.60	17.10	17.80	19.00
1970	27.90	26.80	26.80	27.00	25.80	25.90
1975	33.10	31.30	31.00	30.90	31.40	33.90
1980	58.80	64.30	60.80	59.10	59.90	60.30
1985	48.00	47.50	45.30	46.40	49.20	50.40
1986	50.80	51.40	51.30	50.60	51.30	51.00
1987	56.10	58.80	62.90	59.40	58.30	57.50
1988	59.90	63.70	62.70	62.90	62.50	62.90
1989	67.90	67.50	66.60	66.30	64.70	65.30
1990	**75.10**	**78.90**	**74.30**	**73.60**	**69.50**	**72.60**
BEEF COWS						
1960	14.00	13.20	13.30	12.70	13.30	13.70
1970	19.30	18.90	19.10	19.10	18.30	18.50
1975	19.80	18.80	18.50	18.20	18.80	21.00
1980	41.00	42.00	42.50	42.50	41.80	42.00
1985	35.40	35.30	34.00	33.50	34.20	34.90
1986	36.20	35.50	36.60	35.90	34.90	35.90
1987	43.00	42.90	45.00	43.70	42.90	44.60
1988	44.10	46.10	45.60	43.50	44.20	46.10
1989	48.50	49.30	49.40	46.50	46.70	49.00
1990	**50.40**	**52.70**	**51.40**	**48.90**	**47.40**	**50.50**
STEERS AND HEIFERS						
1960	20.80	19.80	19.80	19.50	20.50	22.00
1970	30.20	28.90	29.00	29.40	28.00	28.20
1975	35.60	33.40	33.80	33.90	34.30	36.50
1980	66.60	69.40	68.80	66.20	66.60	66.70
1985	54.60	54.00	53.10	56.60	60.20	61.20
1986	56.70	58.80	59.40	58.90	60.30	60.00
1987	70.00	74.60	77.60	73.00	73.50	73.00
1988	72.50	78.50	76.90	78.30	79.10	79.30
1989	80.10	80.70	78.80	78.10	78.70	79.60
1990	**86.10**	**87.00**	**85.80**	**84.60**	**83.90**	**86.60**
CALVES						
1960	22.50	20.90	20.50	20.50	21.50	22.60
1970	33.60	33.00	34.50	34.50	34.00	34.30
1975	28.70	28.20	29.10	26.80	30.40	34.10
1980	68.40	71.90	70.90	70.80	69.90	69.90
1985	59.70	62.40	59.90	60.00	62.70	59.80
1986	59.70	63.20	65.20	63.50	61.50	62.00
1987	78.60	82.20	86.40	83.20	84.80	83.10
1988	89.10	91.00	89.10	86.70	89.00	89.50
1989	92.30	92.30	89.40	86.10	85.40	86.50
1990	**93.80**	**99.20**	**93.60**	**91.90**	**95.10**	**98.70**

MONTHLY PRICES RECEIVED, OKLAHOMA, 1986-90 AND HISTORIC

Commodity & Year	Jan	Feb	Mar	Apr	May	Jun
			-Dollars per Bushel-			
WINTER WHEAT						
1960	1.83	1.87	1.92	1.91	1.81	1.68
1970	1.29	1.29	1.28	1.29	1.24	1.20
1975	4.00	3.76	3.41	3.41	3.11	2.87
1980	3.98	3.88	3.62	3.39	3.63	3.57
1985	3.36	3.34	3.27	3.28	3.03	2.93
1986	2.97	2.91	2.94	2.97	2.45	2.25
1987	2.35	2.43	2.46	2.48	2.54	2.30
1988	2.76	2.85	2.73	2.71	2.83	3.35
1989	3.98	4.02	4.11	4.11	3.99	3.87
1990	**3.89**	**3.63**	**3.51**	**3.57**	**3.20**	**2.91**
		-Dollars per Hundredweight-				
GRAIN SORGHUM						
1960	1.56	1.58	1.59	1.61	1.58	1.56
1970	1.96	1.97	1.95	1.93	1.89	1.88
1975	5.04	4.42	4.22	4.31	4.30	4.30
1980	3.99	3.91	4.21	3.94	4.07	4.25
1985	4.32	4.30	4.28	4.47	4.46	4.59
1986	3.82	3.83	3.78	3.94	3.74	3.72
1987	2.53	2.50	2.69	2.57	2.61	2.87
1988	2.93	3.00	3.05	3.02	3.00	4.63
1989	4.31	4.20	4.30	4.19	4.25	4.16
1990	**3.59**	**3.71**	**3.62**	**3.95**	**4.17**	**4.38**
FLUID GRADE MILK SOLD TO PLANTS						
1960	5.00	4.95	5.00	4.65	4.60	4.65
1970	6.55	6.40	6.25	6.05	6.00	6.05
1975	9.10	[illegible].15	8.90	8.65	8.50	8.55
1980	14.00	14.00	13.50	13.60	13.60	13.60
1985	15.10	14.90	14.00	13.30	12.90	12.70
1986	13.50	13.00	12.90	12.50	12.70	12.90
1987	14.20	14.20	13.60	12.90	12.70	12.90
1988	14.10	13.60	13.10	12.20	12.20	12.40
1989	14.20	13.80	12.70	12.70	12.80	13.00
1990	**16.30**	**15.40**	**14.60**	**13.90**	**14.00**	**14.20**
MANUFACTURING GRADE MILK SOLD TO PLANTS						
1960	3.55	3.50	3.50	3.20	3.20	3.20
1970	4.75	4.65	4.65	4.60	4.50	4.55
1975	7.10	7.05	7.00	6.85	6.85	6.90
1980	11.60	11.60	11.40	11.50	11.40	11.40
1985	12.40	12.30	11.60	11.10	10.90	11.20
1986	11.20	11.00	10.50	10.20	10.30	10.30
1987	11.10	11.00	10.70	10.50	10.50	10.50
1988	10.70	10.60	10.30	10.10	9.90	9.90
1989	11.30	11.00	10.50	10.20	10.40	10.60
1990	**13.00**	**11.90**	**11.20**	**11.60**	**11.80**	**11.80**

MONTHLY PRICES RECEIVED, OKLAHOMA, 1986-90 AND HISTORIC

Commodity & Year	Jul	Aug	Sep	Oct	Nov	Dec
	-Dollars per Bushel-					
WINTER WHEAT						
1960	1.69	1.72	1.78	1.78	1.79	1.80
1970	1.21	1.27	1.41	1.41	1.43	1.42
1975	3.39	3.73	3.85	3.78	3.39	3.22
1980	3.77	3.86	4.03	4.22	4.44	4.16
1985	2.86	2.77	2.79	2.83	2.97	3.04
1986	2.14	2.13	2.16	2.20	2.26	2.28
1987	2.21	2.26	2.40	2.48	2.56	2.73
1988	3.41	3.42	3.61	3.71	3.71	3.84
1989	3.82	3.75	3.74	3.74	3.82	3.87
1990	**2.68**	**2.47**	**2.38**	**2.41**	**2.35**	**2.34**
	-Dollars per Hundredweight-					
GRAIN SORGHUM						
1960	1.57	1.49	1.40	1.38	1.38	1.40
1970	1.87	1.91	1.99	2.05	2.00	2.03
1975	4.36	4.73	4.48	4.47	4.09	4.06
1980	5.05	5.15	5.35	5.67	5.75	5.73
1985	4.68	3.67	3.46	3.48	3.66	3.70
1986	3.65	3.37	2.75	2.92	2.61	2.61
1987	2.90	2.81	2.74	2.84	2.94	2.90
1988	4.83	4.56	4.83	4.58	4.36	4.23
1989	4.24	3.92	3.84	3.74	3.70	3.67
1990	**—**	**4.24**	**3.81**	**3.55**	**3.68**	**3.81**
FLUID GRADE MILK SOLD TO PLANTS						
1960	4.55	4.60	4.80	4.90	4.95	5.15
1970	6.10	6.15	6.45	6.60	6.65	6.60
1975	8.70	9.15	9.85	10.20	10.50	10.70
1980	13.30	13.10	14.10	14.50	14.80	15.00
1985	12.80	13.10	13.40	13.80	13.80	13.50
1986	13.30	13.40	13.90	14.50	14.60	14.50
1987	13.10	13.50	13.80	14.40	14.10	14.00
1988	12.40	12.60	13.10	13.50	13.80	13.90
1989	13.20	13.80	14.70	15.30	16.00	16.50
1990	**14.50**	**14.90**	**15.50**	**14.10**	**13.20**	**12.10**
MANUFACTURING GRADE MILK SOLD TO PLANTS						
1960	3.20	3.20	3.35	3.55	3.60	3.55
1970	4.50	4.45	4.55	4.70	4.75	4.65
1975	6.90	7.25	7.65	8.15	8.40	8.65
1980	11.40	11.40	11.80	12.40	12.90	13.10
1985	11.00	10.90	10.90	11.20	11.70	11.40
1986	10.30	10.70	10.80	11.10	11.40	11.30
1987	10.40	10.50	10.80	10.90	10.90	10.80
1988	10.00	10.20	10.70	11.80	11.50	11.50
1989	10.90	11.30	12.00	12.70	13.20	13.50
1990	**12.10**	**11.80**	**11.40**	**10.90**	**10.10**	**9.60**

MONTHLY PRICES RECEIVED, OKLAHOMA, 1986-90 AND HISTORIC

Commodity & Year	Jan	Feb	Mar	Apr	May	Jun
	-Dollars per Ton (Baled)-					
ALFALFA HAY						
1960	25.80	27.00	31.00	28.80	22.40	21.30
1970	35.00	34.50	32.50	32.00	27.00	25.00
1975	66.50	67.50	68.50	66.00	53.00	47.50
1980	73.00	73.50	72.00	68.00	52.00	57.00
1985	120.00	108.00	104.00	82.00	76.00	69.00
1986	69.00	66.00	60.00	62.00	61.00	61.00
1987	67.00	68.00	71.00	69.00	75.00	73.00
1988	94.00	90.00	90.00	73.00	75.00	86.00
1989	121.00	112.00	111.00	106.00	102.00	92.00
1990	**96.00**	**95.00**	**97.00**	**88.00**	**89.00**	**88.00**
ALL OTHER HAY						
1960	16.80	17.60	21.50	20.10	17.50	15.10
1970	23.00	22.00	23.00	20.00	17.50	17.50
1975	44.50	46.00	49.50	47.50	37.50	40.00
1980	47.50	47.50	48.00	48.00	45.50	42.50
1985	77.00	79.00	69.00	60.00	51.00	43.00
1986	56.00	49.00	53.00	47.00	50.00	43.00
1987	46.00	52.00	51.00	45.00	56.00	53.00
1988	51.00	53.00	51.00	52.00	66.00	63.00
1989	77.00	72.00	77.00	73.00	75.00	62.00
1990	**49.00**	**47.00**	**58.00**	**59.00**	**58.00**	**54.00**
ALL HAY						
1960	20.20	21.30	24.90	23.50	19.20	17.60
1970	29.00	28.50	27.50	26.50	22.50	21.50
1975	55.50	56.50	59.00	57.00	45.50	44.00
1980	58.50	58.50	58.50	56.50	48.50	48.50
1985	92.00	89.00	81.00	68.00	60.00	52.00
1986	60.00	55.00	55.00	52.00	54.00	49.00
1987	53.00	57.00	58.00	53.00	62.00	60.00
1988	66.00	66.00	65.00	59.00	69.00	71.00
1989	91.00	84.00	88.00	83.00	83.00	72.00
1990	**64.00**	**62.00**	**71.00**	**68.00**	**68.00**	**65.00**

MONTHLY PRICES RECEIVED, OKLAHOMA, 1986-90 AND HISTORIC

Commodity & Year	Jul	Aug	Sep	Oct	Nov	Dec
	-Dollars per Ton (Baled)-					
ALFALFA HAY						
1960	22.10	23.00	23.80	24.00	25.30	26.00
1970	27.00	32.00	37.00	38.00	38.00	39.50
1975	47.50	48.00	51.50	52.00	57.00	60.50
1980	68.00	84.50	94.00	107.00	111.00	123.00
1985	70.00	71.00	67.00	68.00	69.00	73.00
1986	61.00	66.00	63.00	71.00	75.00	75.00
1987	76.00	75.00	79.00	84.00	90.00	86.00
1988	107.00	121.00	110.00	104.00	117.00	100.00
1989	91.00	85.00	84.00	92.00	90.00	90.00
1990	**95.00**	**95.00**	**98.00**	**98.00**	**100.00**	**100.00**
ALL OTHER HAY						
1960	15.90	16.00	16.50	17.50	17.50	18.50
1970	19.50	23.00	23.00	23.00	24.50	26.50
1975	35.00	35.00	37.50	39.00	40.50	39.50
1980	47.00	52.50	59.00	65.00	68.50	64.00
1985	48.00	53.00	46.00	53.00	51.00	55.00
1986	46.00	51.00	52.00	52.00	54.00	53.00
1987	51.00	54.00	53.00	49.00	60.00	51.00
1988	54.00	68.00	72.00	74.00	75.00	71.00
1989	53.00	53.00	50.00	54.00	56.00	51.00
1990	**55.00**	**65.00**	**65.00**	**63.00**	**65.00**	**60.00**
ALL HAY						
1960	18.20	18.60	19.40	19.90	20.60	21.10
1970	23.00	27.50	30.00	30.50	31.00	33.00
1975	41.50	41.50	44.50	45.50	49.00	50.00
1980	56.00	66.00	74.00	82.00	86.00	89.50
1985	55.00	59.00	53.00	58.00	57.00	61.00
1986	51.00	56.00	56.00	58.00	61.00	60.00
1987	61.00	61.00	62.00	62.00	71.00	63.00
1988	70.00	84.00	84.00	83.00	88.00	80.00
1989	65.00	63.00	61.00	66.00	67.00	63.00
1990	**69.00**	**75.00**	**76.00**	**75.00**	**77.00**	**74.00**

AVERAGE PRICES PAID FOR FEED, OKLAHOMA, 1988-1990 AND HISTORIC 1/

Feed and Year	Jan	Apr	Jul	Oct
	-Dollars per Hundredweight-			
BEEF CATTLE CONCENTRATE 2/				
1960	—	4.15	4.05	—
1970	—	—	4.45	—
1980	11.00	10.00	10.50	11.00
1988	11.50	12.10	13.45	12.55
1989	14.00	13.55	12.55	12.55
1990	**12.90**	**11.90**	**12.10**	**11.65**
BRAN				
1960	2.40	2.60	2.25	2.25
1970	3.40	3.20	3.15	3.45
1980	8.30	8.50	8.40	9.60
1988	9.80	10.00	10.60	10.80
1989	10.90	11.10	10.70	10.80
1990	**11.10**	**10.90**	**11.10**	**10.80**
CORN MEAL				
1960	2.90	2.90	2.95	2.85
1970	3.35	3.40	3.40	3.60
1980	7.60	7.70	7.90	8.70
1988	7.20	7.60	9.10	8.50
1989	9.20	8.60	8.30	8.00
1990	**8.30**	**8.10**	**8.50**	**8.20**
COTTONSEED MEAL (41% protein)				
1960	3.90	3.80	3.70	3.65
1970	4.90	4.80	4.80	5.10
1980	12.50	11.40	11.50	14.00
1988	13.10	12.20	14.40	13.40
1989	14.00	14.00	12.90	13.40
1990	**13.60**	**13.10**	**13.10**	**13.40**
MIDDLINGS AND GRAY SHORTS				
1960	2.50	2.70	2.45	2.35
1970	3.40	3.25	3.15	3.50
1980	8.50	8.50	8.10	8.70
1988	9.40	9.60	9.20	10.20
1989	9.80	10.10	9.20	10.10
1990	**10.40**	**10.20**	**10.40**	**9.40**
SOYBEAN MEAL (44% protein)				
1960	4.00	4.00	3.85	3.75
1970	5.50	5.40	5.40	5.60
1980	13.00	12.50	11.50	15.00
1988	15.00	14.80	18.70	17.00
1989	18.00	16.90	16.90	15.10
1990	**14.10**	**13.40**	**13.30**	**13.90**

1/ Beginning with April 1986, price represents the Southern Plains Region (Oklahoma and Texas).

2/ Prior to 1976, Protein Percent was 30 and over. Beginning in 1976 Protein Percent was 32 to 36.

FARM PRODUCTION EXPENSES, OKLAHOMA, 1986-1990 1/

ITEM	1986	1987	1988 2/	1989 2/	1990 3/
	-Million Dollars-				
TOTAL DOLLARS:					
Feed	396.8	384.4	454.2	475.6	469.4
Livestock	395.7	491.1	719.3	742.0	749.1
Seed	35.0	35.7	36.8	39.0	39.2
Fertilizer and Lime	104.4	99.7	107.3	112.0	110.2
Repairs & Maintenance	148.1	155.4	179.2	187.6	156.8
Fuel	129.1	121.8	125.1	127.1	145.4
Pesticides	47.3	53.6	54.3	64.6	68.0
Electricity	22.8	27.0	28.5	24.9	24.3
Miscellaneous	342.1	389.8	423.9	417.0	397.9
Hired Labor	116.8	128.1	131.6	145.3	160.5
Interest on Non-Real Estate	223.7	204.4	210.9	215.3	221.1
TOTAL OPERATING EXPENSES	1,961.8	2,091.0	2,471.1	2,550.4	2,541.9
Depreciation	383.4	368.4	381.3	398.3	394.8
Interest on Real Estate	225.4	207.4	195.1	189.5	186.7
Taxes on Farm Property	73.3	78.8	78.6	83.2	91.2
Net Rent to Non-Farm Landlords	109.3	100.9	101.5	77.0	105.8
TOTAL PRODUCTION EXPENSES	2,753.0	2,846.4	3,227.7	3,298.2	3,320.5
	-Dollars-				
AVERAGE DOLLARS PER FARM:					
Feed	5,511	5,414	6,489	6,794	6,706
Livestock	5,496	6,917	10,276	10,600	10,701
Seed	486	503	526	557	560
Fertilizer and Lime	1,450	1,404	1,533	1,600	1,574
Repairs & Maintenance	2,057	2,189	2,560	2,680	2,240
Fuel & Oil	1,793	1,715	1,787	1,816	2,077
Pesticides	657	755	776	923	971
Electricity	317	380	407	356	347
Miscellaneous	4,751	5,490	6,056	5,957	5,684
Hired Labor	1,622	1,804	1,880	2,076	2,293
Interest on Non-Real Estate	3,107	2,879	3,013	3,076	3,159
TOTAL OPERATING EXPENSES	27,247	29,451	35,031	36,434	36,313
Depreciation	5,325	5,189	5,447	5,690	5,640
Interest on Real Estate	3,131	2,921	2,787	2,707	2,667
Taxes on Farm Property	1,018	1,110	1,123	1,189	1,303
Net Rent to Non-Farm Landlords	1,518	1,421	1,450	1,100	1,511
TOTAL PRODUCTION EXPENSES	38,236	40,090	46,110	47,117	47,436

1/ Individual figures may not add to total due to rounding.
2/ Revised.
3/ Preliminary figures.

1991 OKLAHOMA FARM FINANCE SURVEY

The 1991 Oklahoma Farm Finance Survey was conducted during February and March by the Division of Agricultural Statistics of the Oklahoma Department of Agriculture. This annual survey is part of a continuing program to gather financial information and evaluate the developing financial situation of Oklahoma producers. This helps to develop a solid foundation of facts and figures for the proposal and evaluation of appropriate public and private policy measures for the agriculture sector. We express our sincere appreciation of the effort and time put forward by the Oklahoma farmers and ranchers who opened their financial books and responded to this survey.

This year, Farm Finance Survey questionnaires were mailed to 6,088 Oklahoma agricultural producers to obtain current information about their individual financial situations. Subsequently, 971 farmers and ranchers responded with usable reports which provided the data for the analysis to follow. The average size of the operations was 709 acres. This indicates a 'commercial farm and ranch', since the average survey sample size is considerably larger than the average for all the farms and ranches in Oklahoma. Comparisons of key financial measurements continue to indicate consistency with previous sample surveys.

INTER YEAR COMPARISONS

The 1991 survey is the seventh annual agricultural financial survey in Oklahoma. Comparisons between years are not strictly valid because the sample respondents are not identical for the different years. However, the different survey results are highly consistent in terms of the distribution by (Debt/Asset) D/A ratio categories. The D/A ratio reported as of January 1, 1985 was 0.18 compared to 0.22 for 1986, 0.22 for 1987 and 0.23 for 1988. The respondents for both 1989 and 1990 reported a D/A ratio of 0.22. The D/A ratio for the 1991 survey is 0.19, moving closer to the initial low value reported on the first survey for 1985, at 0.18 D/A ratio. The survey last year reported 44 percent had no debt and this year it was 43 percent that showed no debt. (See Chart 1)

FARM FINANCE DATA BY DEBT/ASSET RATIO

Slightly over 43 percent of the 971 farmers and ranchers responding on the 1991 survey reported no debt on January 1, 1991 (Table 1). On the high debt side, 6.8 percent, or 66 of the respondents reported a D/A ratio of over 0.7. This group is smaller than a year ago, probably results from two major factors. Cattle prices in 1990 strengthened above the 1989 levels and considerable debt write downs have worked their way through the legal paper work system.

This highly leveraged group with a D/A ratio of over 0.7 had 6.2 percent of the assets but had 28.8 percent of the debt. Their return to assets was at 13.0 percent and the average D/A ratio was 0.90. The return to assets was above last year and the D/A ratio was reduced from the 1.05 of a year ago.

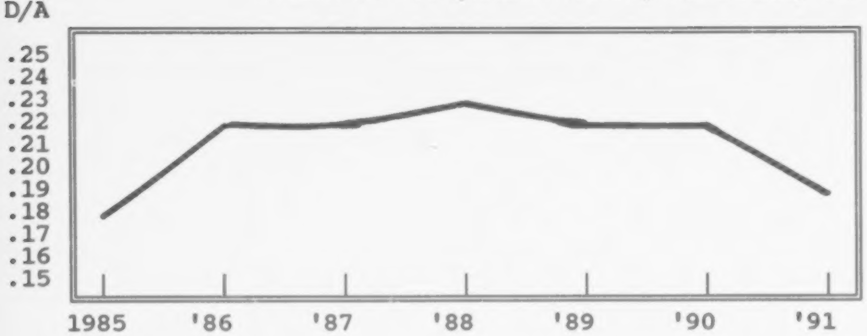
Those with no debt and those with a D/A ratio under 0.4 made up 82 percent of the respondents, up from 79 percent last year. They had 41 percent of the debt this year, compared to 31 percent of the debt last year. This would indicate that perhaps more credit has been made available for those producers who have adequate equity. The average off-farm income for both the no debt and the under 0.4 D/A ratio group increased from a year ago. The under 0.4 D/A ratio group had the largest average off-farm income at $28,020, up almost 10 percent over a year ago.

The D/A ratio group between 0.4 to 0.7 ratios had the largest net cash farm income at $37,498 and the largest return to assets at 13.4 percent. This group has reduced their total share of debt from almost 39 percent last year down to 30 percent of the total debt this year as reported by all respondents.

TABLE 1 - Average Farm Financial Position by Debt/Asset Ratio.
Based of 971 respondents, Oklahoma, February, 1991.

ITEM	UNIT	DEBT/ASSET RATIO				
		NO DEBT	UNDER 0.4	0.4 TO 0.7	OVER 0.7	TOTAL
Number of Farms		418	380	107	66	971
Age of Operator		64	55	51	49	58
Acres Operated		527	828	826	990	709
Total Assets	$	245,305	338,661	280,042	259,767	286,651
Total Debt	$	0	57,683	150,721	233,338	55,043
Debt/Asset Ratio		0	0.17	0.54	0.90	0.19
Gross Cash Income	$	32,816	79,845	102,223	111,651	64,228
Net Cash Farm Inc.	$	12,239	28,278	37,498	33,696	22,758
Off-Farm Income	$	26,959	28,020	27,279	23,052	27,144
Return to Assets	%	5.0%	8.3%	13.4%	13.0%	7.9%
Percent of:						
Farms	%	43.1%	39.1%	11.0%	6.8%	100.0%
Acres Operated	%	32.0%	45.7%	12.8%	9.5%	100.0%
Assets	%	36.8%	46.2%	10.8%	6.2%	100.0%
Debt	%	0.0%	41.0%	30.2%	28.8%	100.0%
Gross Cash Income	%	22.0%	48.7%	17.5%	11.8%	100.0%
Net Cash Farm Inc	%	23.1%	48.6%	18.2%	10.1%	100.0%
Off-farm Income	%	42.7%	40.4%	11.1%	5.8%	100.0%

Chart 1- DEBT/ASSET RATIO, OKLAHOMA, 1985-1991



FARM FINANCE DATA BY TYPE OF FARM

The summary data by type of farm enterprise is shown on Table 2. Summarized data is based on type of enterprise that constituted more than 50 percent of the total gross sales. Those that had no majority enterprise are summarized in the all other group. A continued effort is made in sampling to increase the number of crop producers in our survey respondents; however, the cattle producers still constitute 60.6 percent of our total respondents. The debt/asset ratio of cattle operators is lowest at 0.17, down from 0.20 last year. The return to assets for cattle producers is a fairly low 7.4 percent, but their off-farm average income climbed to a high $28,892 compared to $26,537 last year.

The largest debt load is carried by the dairy operators who owe an average of $84,469 but they also control the largest average assets valued a $327,466 for a debt/asset ratio of 0.26. They paid out an average interest expense of $8,012. The dairy operators continue to have the lowest average age at 49 compared to the State survey average of 58. Their off-farm income at $14,452 is the lowest for enterprise types and reflects the minimum hours available for off-farm employment.

The wheat, hay and grain producers financial situation remains much similar to 1989 survey data. Their return to assets at 7.9 percent was unchanged and their debt/asset ratio at 0.21 is down marginally from 0.22 a year earlier. Their assets, gross cash income, net cash farm income and off-farm income is slightly below the State average as it was for the same items in last year's survey. Wheat yields were up in 1990 and more bushels were available to be marketed, but the season average price was about $1.25/bushel below the previous year, holding income about the same.

Peanut and cotton producers had the most change in relative situations when compared to the previous year. Their return to assets for 1990 calculated to 13.3 percent, up from 8.3 percent in 1989. Respondents averaged $41,425 net cash farm income on $120,526 average gross cash income. Although both of these commodities enjoyed above average yields and prices in 1990, operators reporting in the survey increased their debt by a larger margin than the increase in assets and thus resulted in an average debt/asset ratio of 0.26 verses 0.21 on last year's survey.

TABLE 2 - Average Farm Financial Position by Type of Farm. 1/
Based upon 971 respondents, Oklahoma, February, 1991

ITEM	UNIT	Wheat, Hay & Grains	Dairy	Peanuts & Cotton	Cattle	All Other	Total
Number of Farms		253	32	45	588	53	971
Age of Operator		59	49	56	59	55	58
Acres Operated		671	513	662	748	633	709
Total Assets	$	274,844	327,466	311,206	286,870	295,081	286,651
Total Debt	$	58,999	84,469	82,042	47,356	80,753	55,043
Debt/Asset Ratio		0.21	0.26	0.26	0.17	0.27	0.19
Gross Cash Income	$	58,642	154,945	120,526	57,663	61,148	64,228
Net Cash Farm Inc.	$	21,636	38,246	41,425	21,203	20,169	22,758
Off-farm Income	$	26,168	14,452	19,082	28,892	26,916	27,144
Return to Assets	%	7.9%	11.7%	13.3%	7.4%	6.8%	7.9%
Percent of:							
Farms	%	26.1%	3.3%	4.6%	60.6%	5.4%	100.0%
Acres Operated	%	24.6%	2.4%	4.3%	63.9%	4.8%	100.0%
Assets	%	25.0%	3.8%	5.0%	60.6%	5.6%	100.0%
Debt	%	27.9%	5.1%	6.9%	52.1%	8.0%	100.0%
Gross Cash Income	%	23.8%	7.9%	8.7%	54.4%	5.2%	100.0%
Net Cash Farm Inc.	%	24.8%	5.6%	8.4%	56.4%	4.8%	100.0%
Off-farm Income	%	25.1%	1.7%	3.3%	64.5%	5.4%	100.0%

1/ Gross sales equals more than 50 percent of total gross sales.

FOREIGN AGRICULTURAL TRADE

Basis for State Estimates

U.S.D.A.'s Economic Research Service (ERS) publishes estimates of U.S. Agricultural Export contributions by States on a fiscal year basis. These estimates by State for major commodity groups were based on the assumption that State contributions to exports are equal to each State's share of production or marketings.

Farm marketing ratios from the Census of Agriculture or other sources were used to calculate State shares where production statistics by State were not available. State export estimates for wheat were calculated based on export inspections for major types, including hard red winter, spring, and durum. Census Bureau export data groups all wheat types into a single commodity. Wheat export inspections from different port areas yielded information on hard winter, hard spring, soft winter, and durum. Estimates of feeding and ending stocks for feed grains were used along with production by State.

The share-of-production method was used to compute export shares for cotton, cottonseed, soybeans and products, peanuts, and rice. For some commodities, production was not readily available.

AGRICULTURAL EXPORTS: OKLAHOMA AND THE U.S., 1988-1990 1/

COMMODITY	OKLAHOMA			UNITED STATES		
	1988	1989	1990	1988	1989	1990
	-Million Dollars-					
Wheat and Products	348.9	548.1	426.5	4,675.1	6,278.4	4,430.3
Cotton and Linters	51.1	40.5	38.6	2,150.1	2,059.4	2,719.5
Soybeans and Products	21.6	18.3	18.7	6,972.2	5,822.0	5,271.8
Peanuts and Products	9.7	12.0	12.7	156.9	212.8	241.4
Seeds	3.7	4.5	5.2	414.7	506.6	576.4
Cottonseed and Products	2.7	2.1	1.5	114.5	106.8	94.3
Tree Nuts	0.4	1.7	1.0	779.7	688.5	734.9
Fruits and Preparations	0.2	0.2	0.3	1,714.1	1,800.2	2,188.1
Feed Grains and Products	-	-	-	6,228.5	8,345.8	9,070.9
Tobacco Unmanufactured	-	-	-	1,297.1	1,273.9	1,373.5
Vegetables and Preparations	-	-	-	1,280.5	1,542.3	2,078.7
Rice	-	-	-	731.4	954.8	829.7
Sunflowerseed and Oil	-	-	-	231.8	155.3	139.2
Animals & Meat, Excl. Poultry	22.5	18.5	12.0	2,248.6	2,830.0	2,817.3
Hides and Skins	13.3	5.4	3.8	1,836.8	1,713.0	1,795.6
Fats, Oils and Greases, Animal	4.2	1.7	1.0	544.6	530.8	458.8
Poultry and Products	6.0	6.5	14.0	647.4	724.5	853.5
Dairy Products	3.6	3.5	2.7	535.5	474.7	347.7
Feeds and Fodders	5.6	6.7	8.6	874.3	1,062.4	1,047.5
Other	14.1	26.8	27.8	1,944.9	2,554.8	3,112.9
ALL COMMODITIES	**507.6**	**696.6**	**574.4**	**35,378.6**	**39,637.1**	**40,181.8**

1/ Source: ERS Foreign Agricultural Trade of the United States - Fiscal Year ending September 30, 1990.

MINOR COMMODITIES, OKLAHOMA, CENSUS OF AGRICULTURE 1/

CROP	Unit	1987 CENSUS		1982 CENSUS	
		Harv Acre	Production	Harv Acre	Production
Guar	Lb.	423	253,000	7,251	6,413,691
Mungbeans	Lb.	12,311	6,408,273	14,556	5,152,700
Triticale	Bu.	154	2,970	NA	NA
Dry Cowpeas and Dry Southern Peas	Bu.	1,944	23,419	832	8,254
Irish Potatoes	Cwt	1,352	174,832	1,649	237,518
Sweet Potatoes	Bu.	68	8,536	63	6,798
Alfalfa Seed	Lb.	5,026	747,925	8,842	1,361,853
Bermuda Grass Seed	Lb.	228	30,700	NA	NA
Fescue Seed	Lb.	2,724	573,064	2,800	490,396
Lespedeza Seed	Lb.	231	45,314	2/	2/
Red Clover Seed	Lb.	271	22,800	217	23,600
Sunflower Seed	Lb.	1,942	1,823,720	NA	NA
Sweetclover Seed	Lb.	30	8,200	NA	NA
Vetch Seed	Lb.	448	74,390	305	71,115
Apples	Lb.	1,406	1,691,345	1,710	6,266,945
Apricots	Lb.	19	2/	66	3,892
Cherries	Lb.	27	835	55	2/
Grapes	Lb.	223	114,395	87	6,265
Nectarines	Lb.	17	--	32	62,875
Pears	Lb.	87	42,965	185	6,167
Plums and Prunes	Lb.	42	2/	99	5,155
Blackberries	Lb.	124	156,641	198	156,973
Tame Blueberries	Lb.	91	130,140	35	26,560
Strawberries	Lb.	106	251,299	66	248,361

CROP	'87 CENS HARV ACRES	'82 CENS HARV ACRES
Asparagus	234	45
Lima Beans	282	321
Snap Beans	2,643	1,493
Broccoli	22	NA
Head Cabbage	73	143
Cantaloups	929	724
Collards	98	50
Green Cowpeas & Southern Peas	2,735	1,387
Cucumbers	96	135
Eggplant	11	12
Mustard Greens	456	123
Dry Onions	9	9

CROP	'87 CENS HARV ACRES	'82 CENS HARV ACRES
Okra	91	114
Green Peas (excl cowpeas)	21	12
Sweet Peppers	65	21
Pumpkins	369	189
Spinach	1,882	1,964
Squash	391	407
Sweet Corn	730	808
Tomatoes	207	116
Turnips	142	153
Turnip Greens	380	139
Mixed Vegetables	28	33
Watermelons	6,613	5,473

LIVESTOCK	'87 CENS NUMBER	'82 CENS NUMBER
Milk Goats	2,878	4,577
Goats (excl Milk & Angora)	6,229	4,734
Mink	16,750	12,051
Mules, Burros and Donkeys	2,299	886
Rabbits	16,636	11,254

LIVESTOCK	'87 CENS NUMBER	'82 CENS NUMBER
Ducks	8,767	10,329
Geese	4,330	3,993
Pigeons, Squab	3,886	2,323
Pheasants	4,560	2,578
Quail	27,522	21,485
Other Poultry	21,204	7,885

1/ Minor commodities not covered by the statistical estimating program.
2/ Not published to avoid disclosure of individual operations.

CUSTOM RATES, OKLAHOMA, 1990-91

OPERATION	UNITS	WEST NO. RPTS	WEST AVE. $	CENTRAL NO. RPTS	CENTRAL AVE. $	EAST NO. RPTS	EAST AVE. $
TILLAGE							
Moldboard Plowing	Acre	68	8.60	71	10.26	21	9.05
One-way Disc Tilling	Acre	26	5.00	20	5.65	11	6.50
Listing (Bedding)	Acre	15	4.80	5	6.00	3	4.17
Discing Shallow	Acre	60	4.69	51	5.35	25	5.76
Discing Deep	Acre	44	6.07	67	6.63	21	6.64
Spike Tooth Harrow	Acre	22	3.09	24	3.43	7	2.93
Spring Tooth Harrow	Acre	38	3.55	34	3.70	7	4.43
Surface Chisel	Acre	64	5.27	40	6.13	13	5.62
Deep Chisel (Ripping)	Acre	40	7.68	32	9.13	13	8.54
Rotary Hoe	Acre	23	3.33	15	3.60	9	3.39
Cultivating	Acre	30	4.28	28	4.04	10	3.75
Blade or Wide Sweeps	Acre	44	4.98	15	6.03	4	5.00
Stalk Shredder	Acre	25	5.08	11	4.77	5	4.30
FERTILIZER AND CHEMICAL APPLICATION							
Dry Fertilizers	Acre	104	2.24	110	2.24	57	2.34
Anhydrous Ammonia	Acre	54	3.94	52	3.95	4	3.13
LIquid Fertilizers	Acre	78	2.36	61	2.36	9	2.47
Lime Application	Acre	17	3.68	35	3.63	17	3.43
Ground Appl., Insect,Fungicide	Acre	26	2.87	33	2.75	8	2.47
Aircraft Appl., Insect,Fung.	Acre	34	3.10	35	3.47	12	3.21
Ground Spraying For Weeds	Acre	67	2.84	66	2.90	26	2.80
Aircraft Spraying For Weeds	Acre	54	3.37	54	3.41	19	3.62
PLANTING							
Drill Sml Grains, Sorg., Sudan	Acre	46	5.26	47	5.40	10	4.85
Without Fert. Attachment	Acre	47	4.53	35	5.00	17	4.68
Sod Drill Sml Grns Into Bermuda	Acre	12	6.06	8	7.50	11	7.23
Without Fert. Attachment	Acre	6	7.58	9	6.11	10	6.20
Drill Soybeans, Mungbeans, etc.	Acre	6	4.96	8	5.19	6	4.96
Without Fert. Attachment	Acre	7	4.86	7	4.00	9	4.33
Drill Alfalfa & Other Legumes	Acre	12	6.21	16	6.22	5	4.90
Without Fert. Attachment	Acre	8	6.00	16	5.53	3	4.67
Lister Planting Corn,Cotton,Milo	Acre	7	6.71	7	6.57		
Without Fert. Attachment	Acre	10	5.70	6	5.67		
Surface Planting Row Crops	Acre	11	6.00	13	5.96	7	6.07
Without Fert. Attachment	Acre	12	5.75	16	4.75	11	5.00
HAYING							
Mowing	Acre	24	7.04	33	5.94	46	4.74
Raking	Acre	23	3.09	48	2.82	41	3.27
Swathing	Acre	144	8.25	100	7.64	22	6.39
Baling Square Bale	Bale	99	0.46	103	0.52	54	0.57
Cutting To Stacking(Sm Sq Bale)	Bale	12	1.03	47	1.04	34	1.03
Hauling Small Bales, Flat-Rate	Bale	37	0.39	50	0.35	36	0.34
Hauling Small Bales, Base	Bale	29	0.39	50	0.38	28	0.33
Extra Charge	Bale	29	0.05	50	0.05	28	0.07
For Distance Over XX Miles	Mile	29	6.93	50	4.38	28	3.86
Baling Lg Sq Bale(4'X4'X8')	Bale	26	10.46	21	11.07	6	10.58
Baling Large Bale 800-1500 Lb.	Bale	144	8.33	135	8.37	97	8.78
Hauling Large Bales, Base	Bale	9	2.64	16	3.25	11	3.14
Extra Charge	Bale	9	0.73	16	1.05	11	0.98
For Distance Over XX Miles	Mile	9	3.67	16	5.94	11	6.18
Baling Giant Bale 1500-3000 Lb.	Bale	22	9.95	38	9.75	22	10.80
Hauling Giant Bales, Base	Bale			3	3.83	3	3.67
Extra Charge	Bale			3	1.05	3	0.83
For Distance Over XX Miles	Mile			3	3.00	3	9.00
SILAGE							
Labor,Power,Mach For Crop,Haul	Ton	6	7.25	7	6.29	2	4.50
Field Chopping Only	Ton			7	3.89		
Haul Silage From Field By Truck	Ton			5	1.95	2	2.00
SMALL GRAIN HARVEST							
Swathing Small Grains	Acre	48	7.84	34	7.26	3	6.33
Combining Grain Flat-Rate	Acre	123	11.93	102	13.42	35	14.16
Combining Grain Base	Acre	121	11.88	60	12.51	5	12.80
Extra Charge Per Bushel	$	121	0.12	60	0.12	5	0.10
For Excess Over XX Bu/Acre	Bu/A	121	20.22	60	23.15	5	28.00

CUSTOM RATES, OKLAHOMA, 1990-91

OPERATION	UNITS	WEST		CENTRAL		EAST	
		NO. RPTS	AVE. $	NO. RPTS	AVE. $	NO. RPTS	AVE. $
SOYBEAN HARVEST							
Combining Soybeans Flat-Rate	Acre			14	15.04	20	15.75
Combining Soybeans Base	Acre			3	13.67	4	14.75
Extra Charge Per Bushel	$			3	0.14	4	0.11
For Excess Over XX Bu/Acre	Bu/A			3	21.67	4	30.00
Haul Sml Grns, Soybns Flat-Rate	Bu					3	13.67
Haul Sml Grns, Soybns Base	Bu	50	0.11	34	0.12	3	0.12
Extra Charge Per Bushel	$			34	0.09	3	0.18
For Excess Over XX Miles	Mile	50	9.04	34	10.18	3	6.67
CORN, GRAIN SORGHUM HARVEST							
Combining Grn Sorghum Flat-Rate	Acre	33	12.03	33	13.56	14	14.43
Combining Grn Sorghum Base	Acre	13	11.77	9	12.72	3	13.33
Extra Charge Per Cwt.	$	13	0.11	9	0.11	3	0.09
For Excess Over XX Cwt	Cwt	13	24.62	9	25.78	3	30.00
Hauling Grn Sorghum Flat-Rate	Cwt	3	0.13	4	0.17		
Hauling Grn Sorghum Base	Cwt	8	0.14	6	0.14	2	0.16
Extra Charge Per Cwt	$	8	0.04	6	0.04	2	0.02
For Excess Over XX Miles	Mile	8	10.88	6	8.33	2	7.50
Combining Corn Flat Rate	Acre	5	15.00	12	15.88	9	17.56
Combining Corn Base	Acre			3	14.00	2	15.00
Extra Charge Per Bushel	$			3	0.15	2	0.08
For Excess Over XX Bu/A	Bu/A			3	55.00	2	80.00
COTTON HARVEST							
Stripping Cotton Flat-Rate	Acre	9	30.56	2	25.00		
Hauling Cot. To Gin Flat-Rate	Bale	6	3.01				
Picking Cotton Lint	Acre	5	12.26				
PEANUT AND PECAN HARVEST							
Dig & Shake Peanuts 30-38"	Acre			4	7.50	2	7.00
Combining Peanuts	Acre	4	31.25	6	28.33		
Hauling Peanuts Flat-Rate	Ton	3	13.00	3	9.33		
Drying Peanuts Flat-Rate	Ton	4	16.75	4	31.00	1	28.00
Pecan Shaking	Tree			9	3.78	4	3.38
Picking up Pecans By Hand	Lb			2	0.27	3	0.22
Picking Up Pecans By Machine	Lb			4	0.26	1	0.25
LIVESTOCK OPERATIONS							
Spraying	Hd	6	1.54	21	0.95	9	0.90
Dehorning	Hd	22	1.63	45	1.92	24	1.93
Branding	Hd	21	1.08	39	1.20	10	0.97
Castrating	Hd	24	2.00	49	2.02	20	1.79
Worming	Hd	16	2.05	39	2.63	14	2.54
MISCELLANEOUS							
Digging Line Fencepost Hole	Hole			12	0.59	5	0.56
Sawing Wood Chain Saw	Hour			7	9.43	8	10.69
Brushhogging	Hour	12	16.46	33	15.76	33	18.12
Land Improvement-Earth Moving	Cuyd	3	0.58	5	0.63	4	0.70
LIVESTOCK HAULING							
Flat Semi, Capacity	Tons	11	19.32	12	16.42	3	18.33
Rate Per Mile	$/Mi	17	1.61	18	1.59	7	1.73
Belly Semi Capacity	Tons	14	27.07	21	23.93	10	24.00
Rate Per Mile	$/Mi	16	2.08	20	2.23	15	1.80
Gooseneck Trailer - Length	Tons	11	23.27	27	22.11	20	24.30
Capacity	Lbs	8	5.75	22	6.13	13	5.85
Rate Per Mile	$/Mi	13	1.29	29	3.98	23	3.18
TRACTOR RENTAL							
Less Than 100 Belt HP	Hour	13	12.00	19	16.03	8	16.25
Between 100 And 150 Belt HP	Hour	26	17.44	20	19.30	7	20.64
Greater Than 150 Belt HP	Hour	12	24.25	14	27.14		
4 Wheel Dr. (<175 HP)	Hour	8	28.00	10	26.35		
4 Wheel Dr. (>175 HP)	Hour	8	37.25	9	31.56		

Source: Oklahoma State University, Cooperative Extension Service, Agricultural Economics.

LIST OF AVAILABLE REPORTS

The Oklahoma Agricultural Statistics Service publishes official estimates of crop and livestock production, prices received and paid by farmers, and various other special reports. The reports containing such data are shown below. These reports are free to producers and anyone else who submits reports to the Agricultural Statistics Service. Others need to subscribe by submitting a subscription form and fee. You may obtain the subscription form by writing:

Oklahoma Agricultural Statistics Service
2800 N. Lincoln Blvd.
Oklahoma City, Oklahoma 73105-9933
Telephone: 405/525-9226

OKLAHOMA
CROP-WEATHER
SUMMARY

RELEASE	ANNUAL FEE
"Oklahoma Crop-Weather Summary" (Issued weekly March thru November)	$12.00

Contains weekly summary on progress, status, or happenings relating to crops, livestock, and weather from March through November.

OKLAHOMA
FARM STATISTICS

RELEASE	ANNUAL FEE
"Oklahoma Farm Statistics" (17 issues per year)	$10.00

Contents vary throughout the year to include Oklahoma and U.S. crop acreages, yield and production, slaughter, wool, milk, poultry, farm numbers, income, farm employment, agricultural prices and miscellaneous reports.

Issue numbers and dates:

(1) Jan 16
(2) Jan 30
(3) Feb 7
(4) Mar 4
(5) Apr 3
(6) Apr 24
(7) May 16
(8) Jun 1
(9) Jun 14
(10) Jul 3
(11) Jul 26
(12) Aug 15
(13) Sep 16
(14) Oct 15
(15) Oct 30
(16) Nov 15
(17) Dec 26

GREAT SEAL OF THE STATE OF OKLAHOMA
1907
UNITED STATES DEPARTMENT OF AGRICULTURE
1862
1889
AGRICULTURE IS THE
AND COMMERCE
FOUNDATION OF MANUFACTURE